

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031320\
 Data File : VX015278.D
 Acq On : 13 Mar 2020 23:59
 Operator : JC/SP
 Sample : L1161-08 5PPB L00
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 2:07:40 PM

Quant Time: Mar 16 09:48:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 12 14:12:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	54323	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	285711	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	268209	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	108234	29.53	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.43%
60) 4-Bromofluorobenzene	11.13	95	119585	28.01	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.37%
63) Toluene-d8	8.71	98	335230	29.18	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	11876	4.347	ug/l 97
3) Chloromethane	1.32	50	15366	3.896	ug/l 97
4) Vinyl Chloride	1.40	62	16632	4.144	ug/l 99
5) Bromomethane	1.64	94	10612	4.058	ug/l 96
6) Chloroethane	1.72	64	10236	4.060	ug/l 95
7) Trichlorofluoromethane	1.92	101	20814	4.067	ug/l 96
8) Diethyl Ether	2.18	74	9483	4.181	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	13123	4.182	ug/l 95
10) 1,1-Dichloroethene	2.37	96	13399	4.235	ug/l 97
11) Methyl Iodide	2.51	142	9929	3.051	ug/l 93
12) Methyl Acetate	2.76	43	18458	4.729	ug/l 96
13) Acrolein	2.29	56	13990	22.699	ug/l 95
14) Acrylonitrile	3.14	53	41485	22.906	ug/l 98
15) Acetone	2.44	58	10451	19.667	ug/l 98
16) Carbon Disulfide	2.56	76	37024	4.179	ug/l 99
17) Allyl chloride	2.72	41	24808	4.227	ug/l 91
18) Methylene Chloride	2.85	84	16646	4.656	ug/l 94
19) trans-1,2-Dichloroethene	3.16	96	16154	4.734	ug/l 96
20) Diisopropyl ether	3.84	45	52515	4.504	ug/l 91
21) 1,1-Dichloroethane	3.69	63	28220	4.568	ug/l 97
22) cis-1,2-Dichloroethene	4.59	96	17799	4.614	ug/l 98
23) tert-Butyl Alcohol	3.05	59	18313	25.863	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	45616m	4.462	ug/l
25) Chloroform	5.20	83	28065	4.775	ug/l 92
26) Cyclohexane	5.58	56	27196	4.737	ug/l # 94
29) 1,1-Dichloropropene	5.79	75	20944	4.777	ug/l 98
30) 2-Butanone	4.67	43	56801	24.192	ug/l # 96
31) 2,2-Dichloropropane	4.57	77	17028	3.780	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	23758	4.980	ug/l 95
33) Carbon Tetrachloride	5.78	117	20095	4.922	ug/l 97
34) Benzene	6.14	78	68521	5.158	ug/l 97
35) Methacrylonitrile	5.04	41	12235	4.820	ug/l 90
36) 1,2-Dichloroethane	6.19	62	23993	5.414	ug/l 95
37) Trichloroethene	7.20	130	18789	5.114	ug/l 95
38) Methylcyclohexane	7.45	83	22573	4.237	ug/l 99
39) 1,2-Dichloropropane	7.51	63	16269	4.740	ug/l 95
40) Dibromomethane	7.65	93	11352	5.204	ug/l 94

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Manual Integrations
 APPROVED

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 3/16/2020 2:07:40 PM

Quant Time: Mar 16 09:48:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 12 14:12:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.89	83	19163	4.442	ug/l	98
42) Vinyl Acetate	3.81	43	203808	22.012	ug/l	100
43) Ethyl Acetate	4.83	43	23351	5.242	ug/l #	75
44) Isopropyl Acetate	6.44	43	36863	4.892	ug/l	98
45) 1,4-Dioxane	7.75	88	8167m	110.356	ug/l	
46) Methyl methacrylate	7.76	41	16172	4.352	ug/l	97
47) n-amyl Acetate	10.89	43	24722	3.656	ug/l	97
48) t-1,3-Dichloropropene	9.04	75	19388	4.133	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	23626	4.435	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	16611	5.150	ug/l	95
51) Ethyl methacrylate	9.17	69	22067	4.385	ug/l	98
52) 1,3-Dichloropropane	9.37	76	27874	5.106	ug/l	99
53) Dibromochloromethane	9.57	129	16224	4.723	ug/l	93
54) 1,2-Dibromoethane	9.67	107	17551	5.275	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	57463	22.797	ug/l	99
56) Bromoform	10.85	173	10744	3.989	ug/l	96
58) 4-Methyl-2-Pentanone	8.64	43	105932	23.200	ug/l	99
59) 2-Hexanone	9.48	43	79824	23.129	ug/l	98
61) Tetrachloroethene	9.33	164	18256	4.890	ug/l	94
62) Toluene	8.78	91	67840	4.780	ug/l	99
64) Chlorobenzene	10.14	112	44977	4.960	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	16051	4.805	ug/l	94
66) Ethyl Benzene	10.25	91	74000	4.680	ug/l	96
67) m/p-Xylenes	10.36	106	56146	9.251	ug/l	99
68) o-Xylene	10.70	106	23314	4.007	ug/l	94
69) Styrene	10.71	104	40083	3.958	ug/l	98
70) Isopropylbenzene	11.01	105	66810	4.314	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.26	83	24406	4.854	ug/l	96
72) 1,2,3-Trichloropropane	11.29	75	22861m	5.555	ug/l	
73) Bromobenzene	11.25	156	19750	4.676	ug/l	98
74) n-propylbenzene	11.35	91	82883	4.530	ug/l	99
75) 2-Chlorotoluene	11.42	91	49323	4.617	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	58968	4.460	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	5683	3.297	ug/l	87
78) 4-Chlorotoluene	11.51	91	57530	4.678	ug/l	98
79) tert-butylbenzene	11.76	119	55798	4.502	ug/l	97
80) 1,2,4-Trimethylbenzene	11.80	105	58071	4.443	ug/l	99
81) sec-Butylbenzene	11.94	105	69087	4.491	ug/l	98
82) p-Isopropyltoluene	12.06	119	61103	4.319	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	35250	4.723	ug/l	95
84) 1,4-Dichlorobenzene	12.09	146	37099	4.970	ug/l	98
85) n-Butylbenzene	12.39	91	52407	4.227	ug/l	100
86) Hexachloroethane	12.59	117	10509	4.244	ug/l	93
87) 1,2-Dichlorobenzene	12.39	146	34531	4.745	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	4331	4.184	ug/l	98
89) 1,2,4-Trichlorobenzene	13.64	180	24403	4.537	ug/l	98
90) Hexachlorobutadiene	13.78	225	12056	4.357	ug/l	97
91) Naphthalene	13.83	128	59530	3.995	ug/l	98
92) 1,2,3-Trichlorobenzene	14.01	180	24316	4.492	ug/l	98

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Instrument :
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ClientSampleId :
LOQ-WATER-02-QT1-2020

Manual Integrations
APPROVED

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Quant Time: Mar 16 09:48:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 12 14:12:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

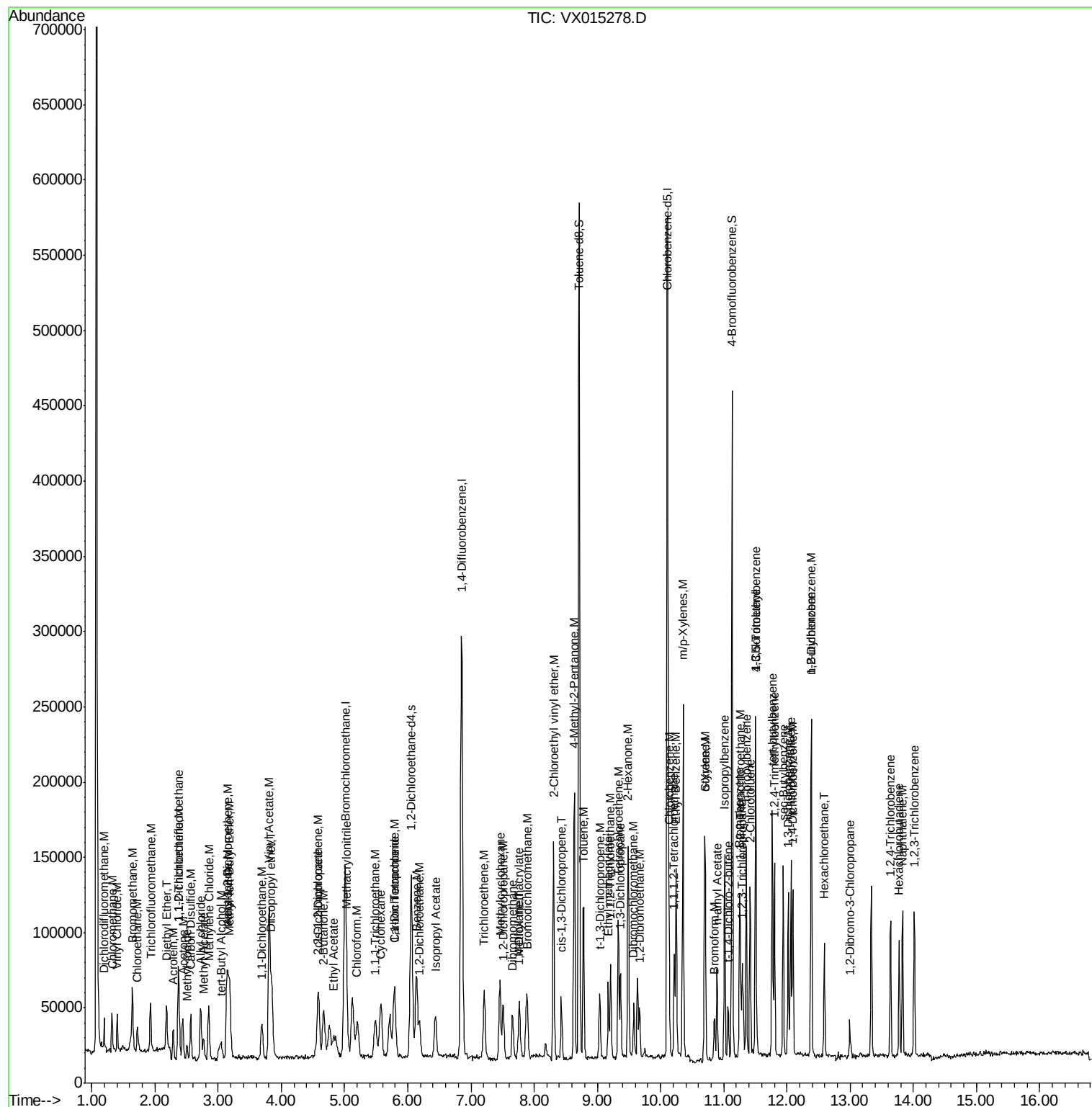
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Data File : VX015278.D
Acq On : 13 Mar 2020 23:59
Operator : JC/SP
Sample : L1161-08 5PPB L00
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 41 Sample Multiplier: 1

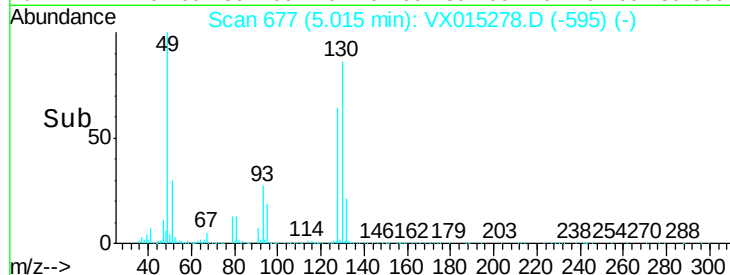
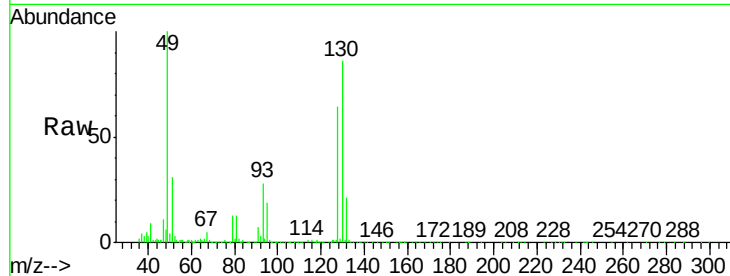
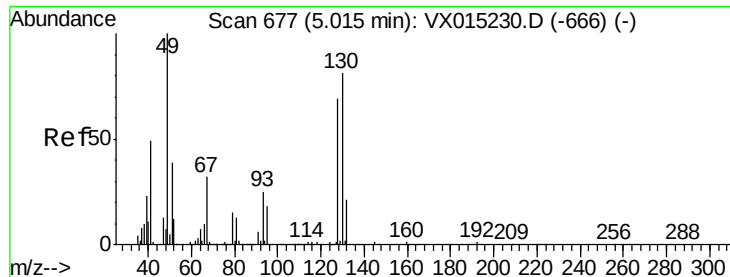
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Manual Integrations
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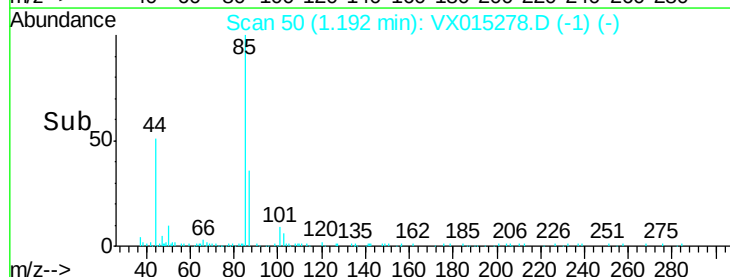
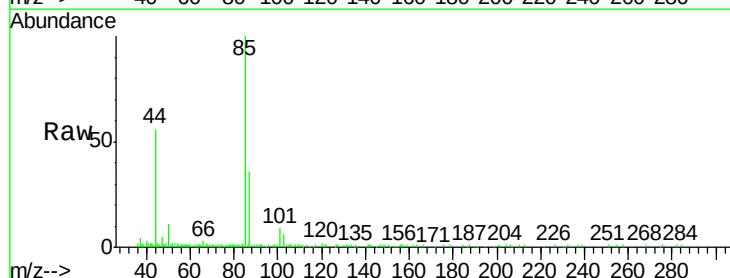
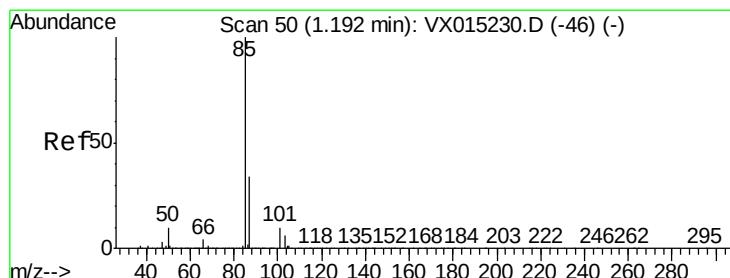
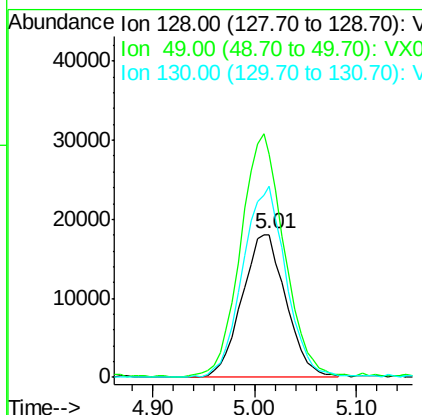
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.01 min Scan# 677
Delta R.T. 0.00 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Tot Ion	Ratio	Lower	Upper
128	100		
49	169.0	0.0	406.8
130	131.6	0.0	319.3

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

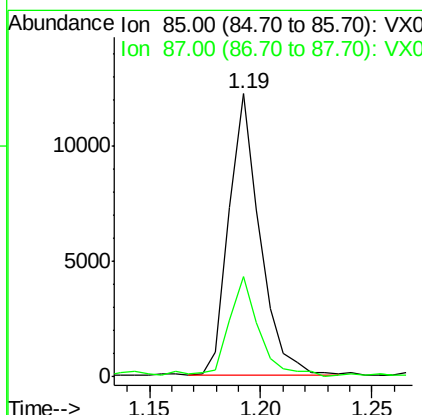
Manual Integrations
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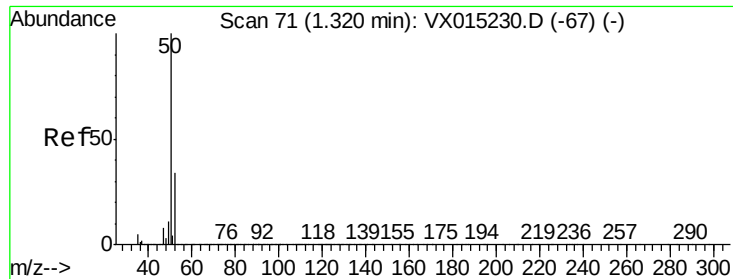
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#2
Dichlorodifluoromethane
Concen: 4.347 ug/l
RT: 1.19 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.9	16.7	50.1





#3

Chloromethane

Concen: 3.896 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 50 Resp: 15366

Ion Ratio Lower Upper

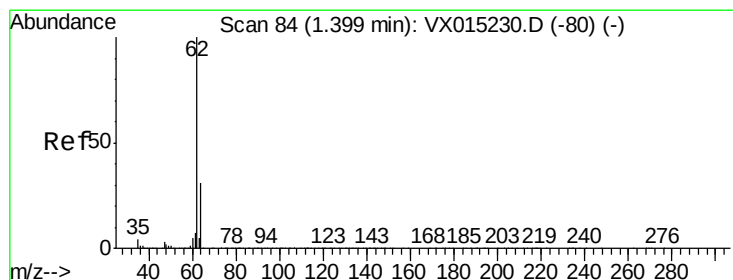
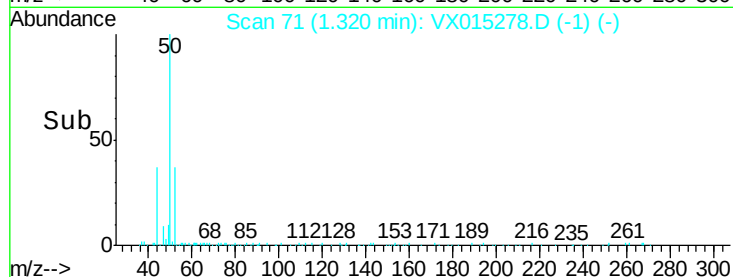
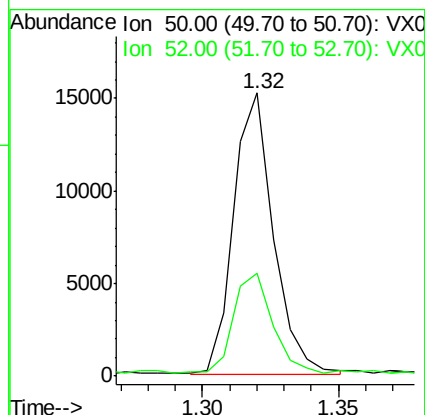
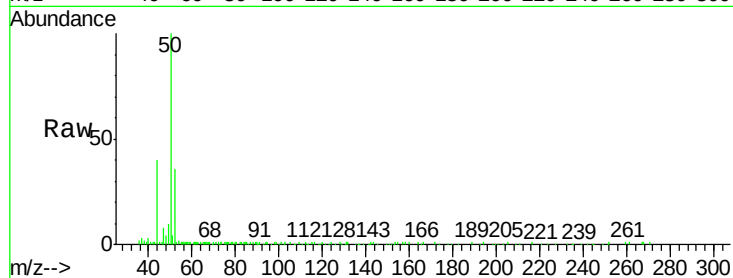
50 100

52 35.5 26.9 40.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 4.144 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX015278.D

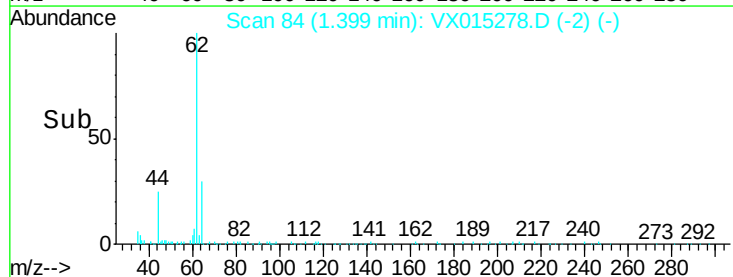
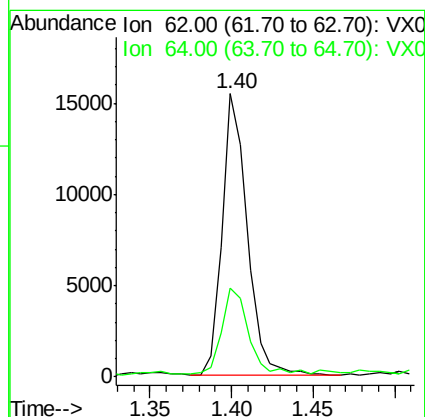
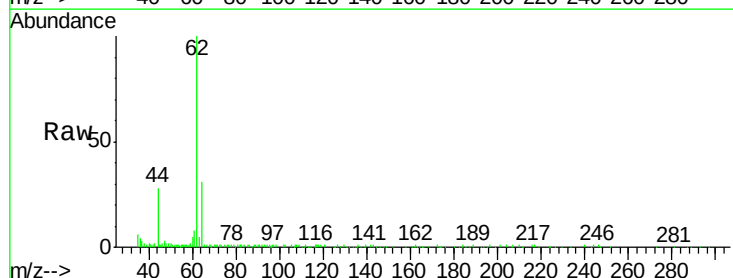
Acq: 13 Mar 2020 23:59

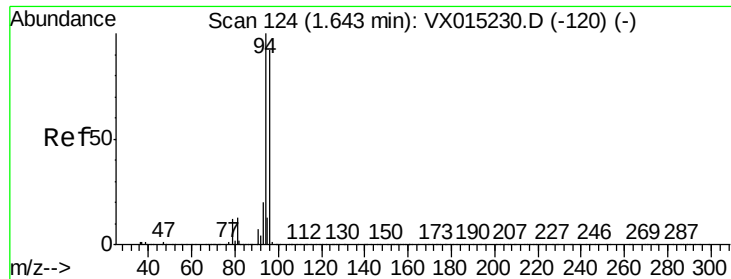
Tgt Ion: 62 Resp: 16632

Ion Ratio Lower Upper

62 100

64 30.4 24.9 37.3





#5

Bromomethane

Concen: 4.058 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 94 Resp: 10612

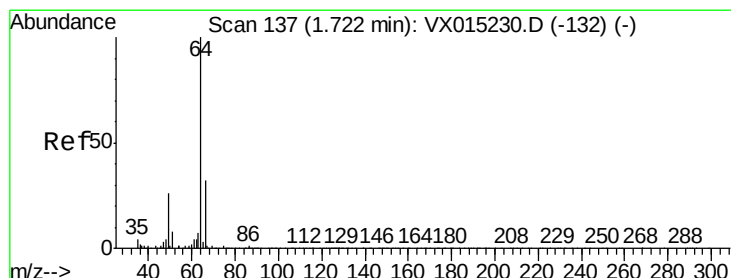
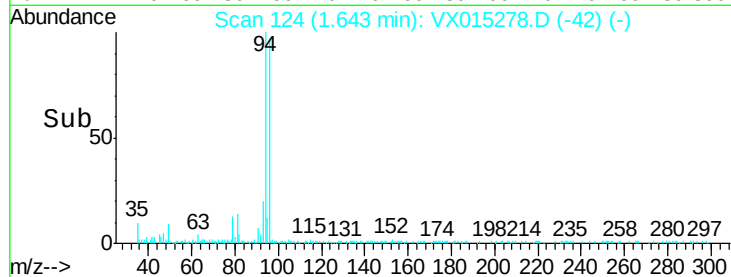
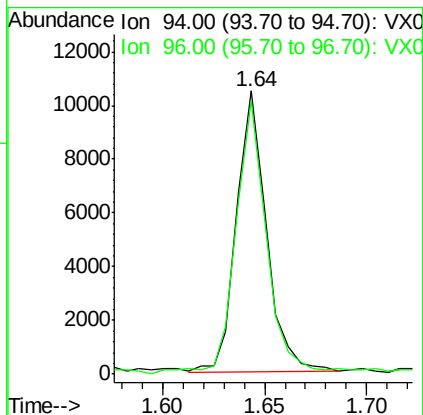
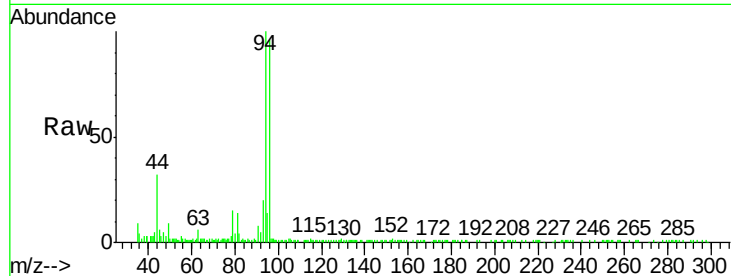
Ion Ratio Lower Upper

94 100

96 95.5 73.0 109.4

Manual Integrations
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#6

Chloroethane

Concen: 4.060 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.00 min

Lab File: VX015278.D

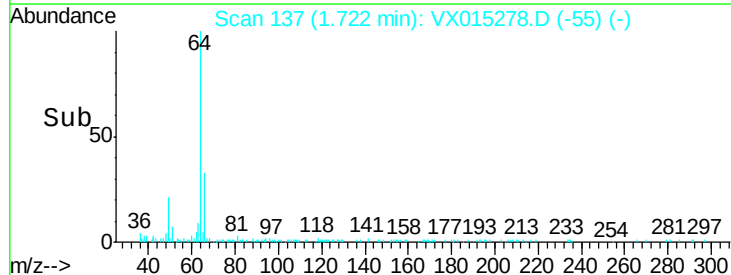
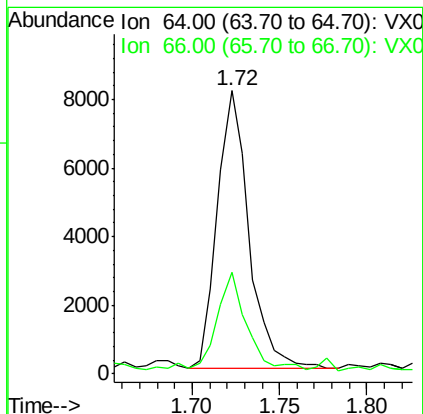
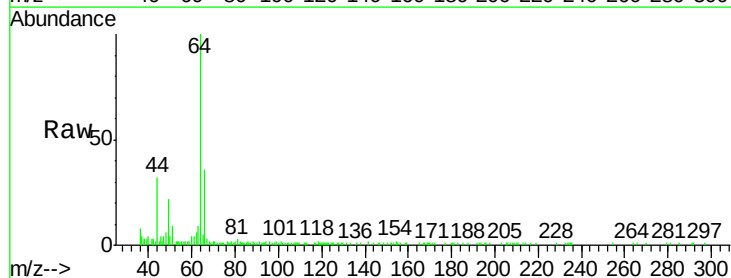
Acq: 13 Mar 2020 23:59

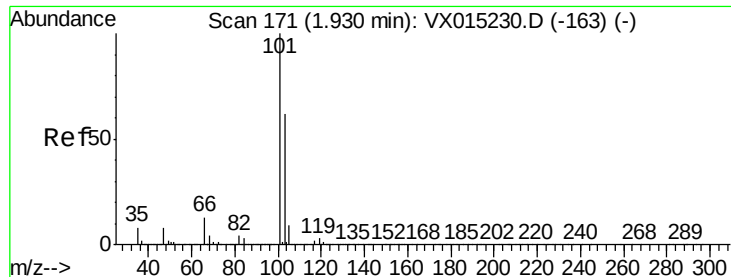
Tgt Ion: 64 Resp: 10236

Ion Ratio Lower Upper

64 100

66 35.1 25.9 38.9





#7

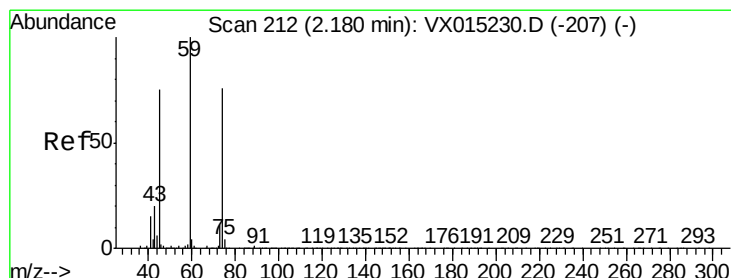
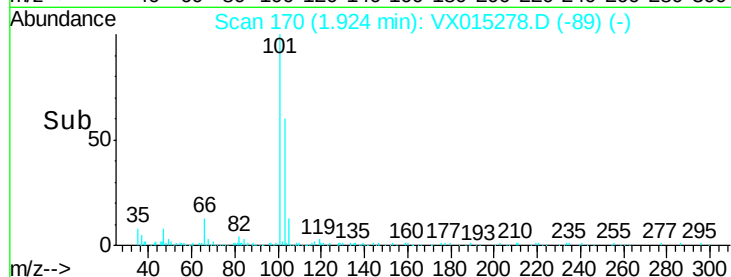
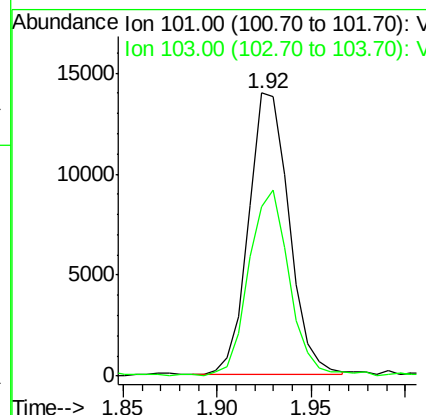
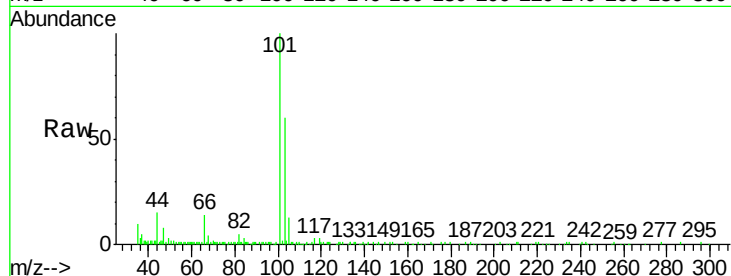
Trichlorofluoromethane
Concen: 4.067 ug/l
RT: 1.92 min Scan# 170
Delta R.T. -0.01 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.4	49.9	74.9

Manual Integrations
APPROVED

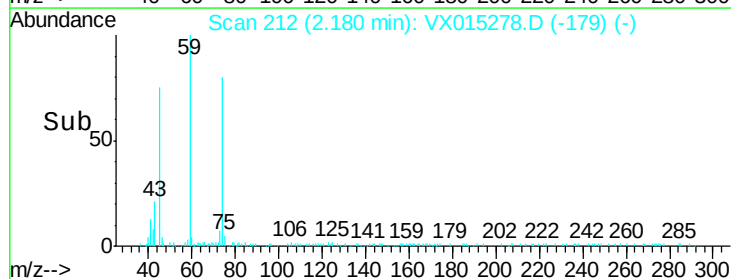
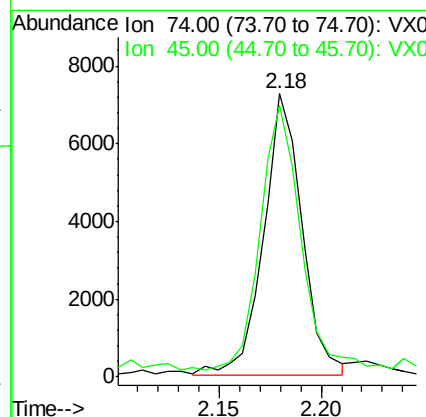
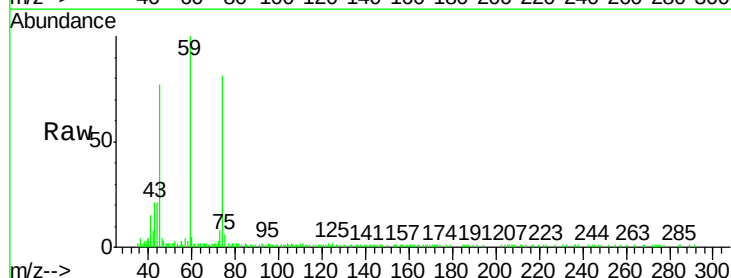
MMDadoda
3/16/2020 2:07:40 PM

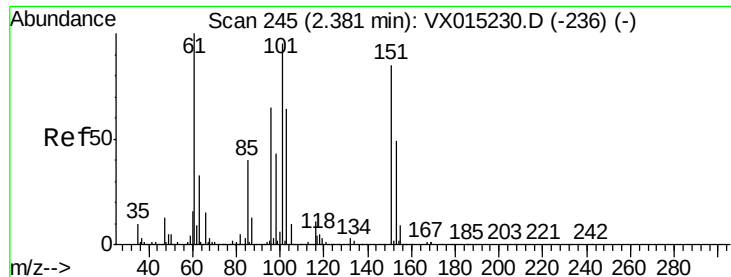


#8

Diethyl Ether
Concen: 4.181 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.8	20.3	182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.182 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Instrument :

MSVOA_X

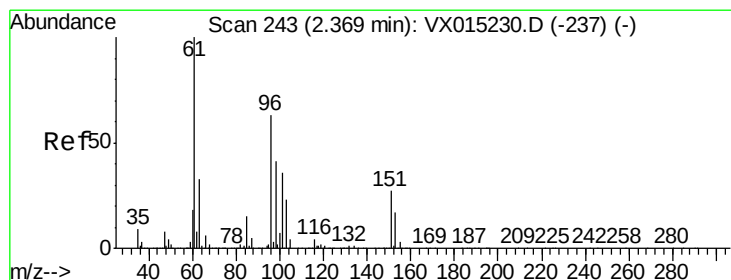
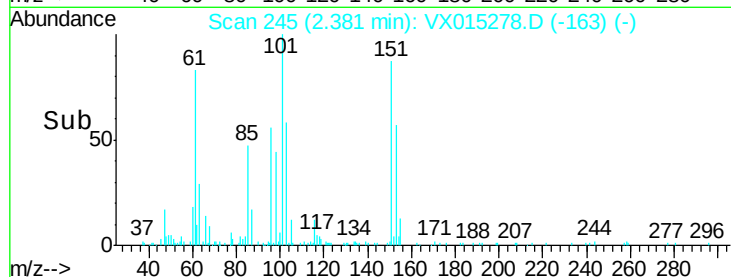
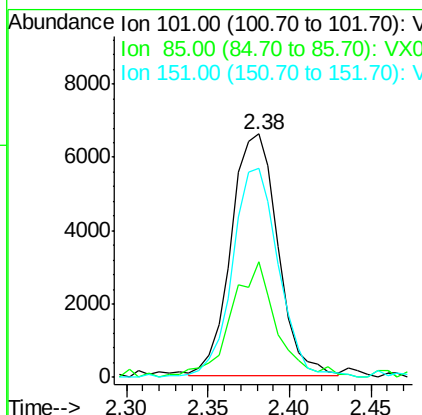
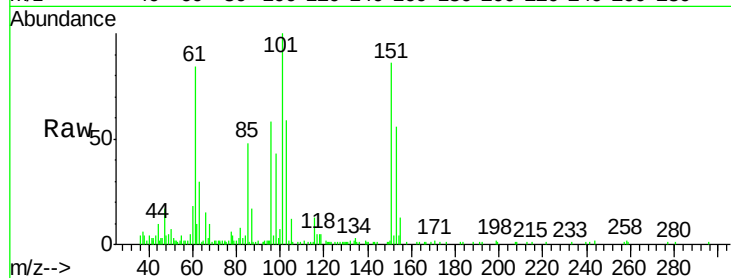
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	101	Resp:	13123
Ion Ratio	Lower	Upper	
101	100		
85	45.4	0.0	82.0
151	86.0	0.0	165.0

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#10

1,1-Dichloroethene

Concen: 4.235 ug/l

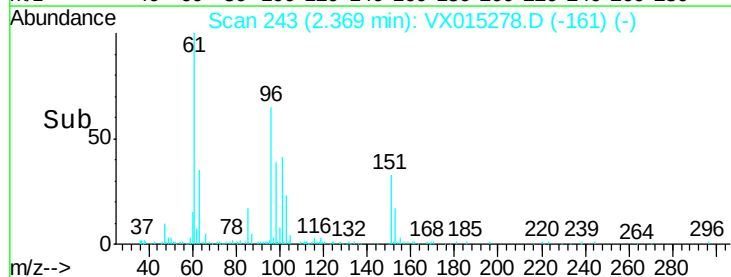
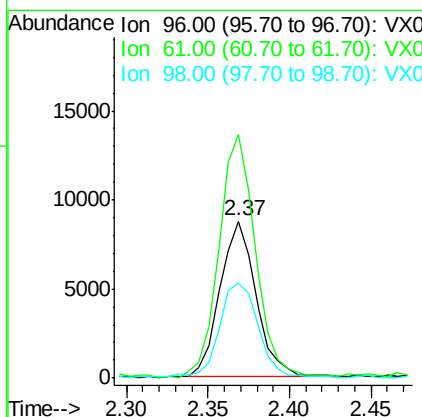
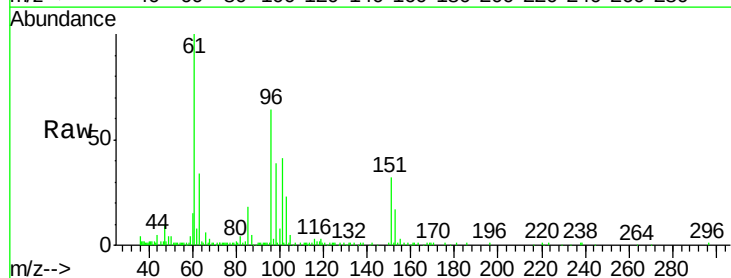
RT: 2.37 min Scan# 243

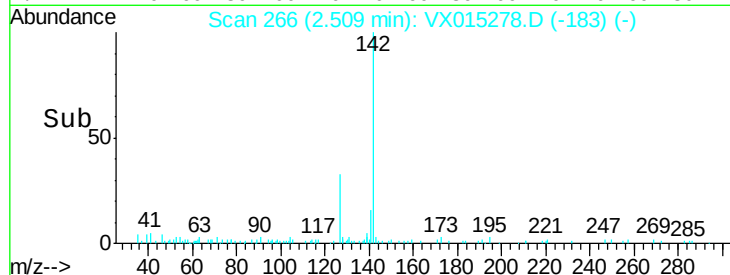
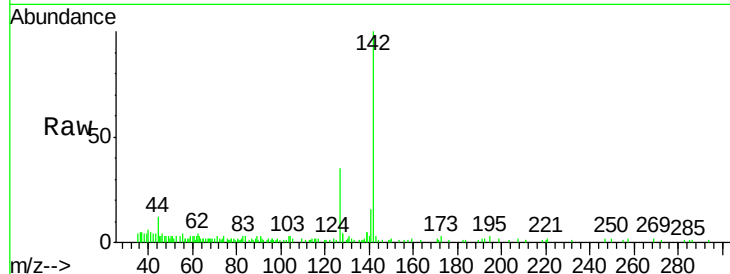
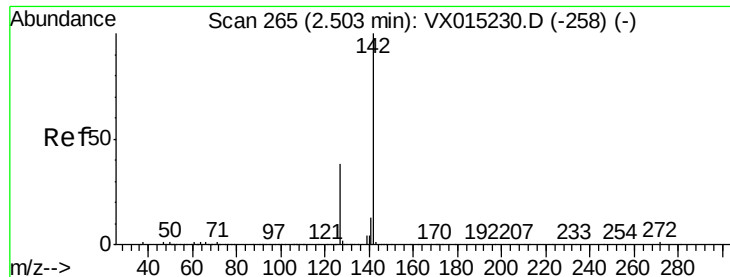
Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Tgt Ion:	96	Resp:	13399
Ion Ratio	Lower	Upper	
96	100		
61	155.7	126.2	189.2
98	60.8	52.1	78.1





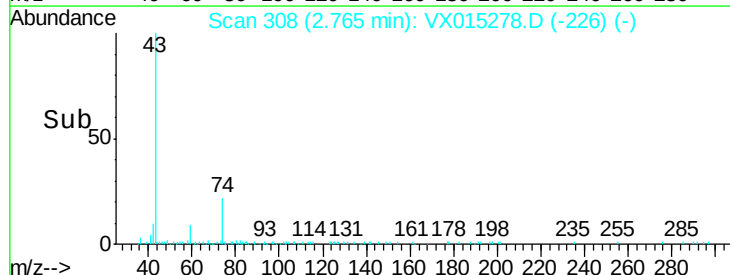
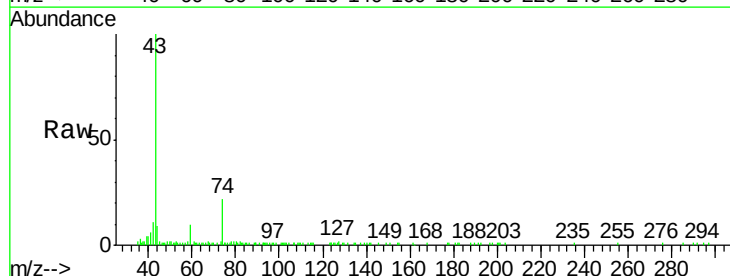
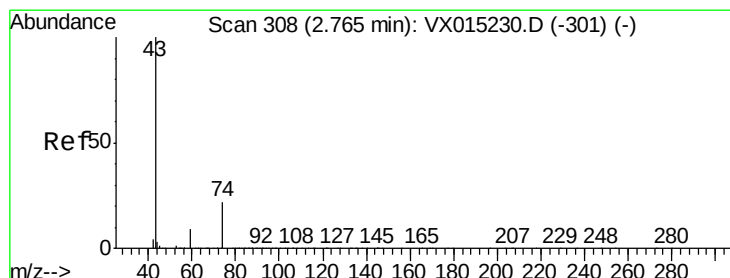
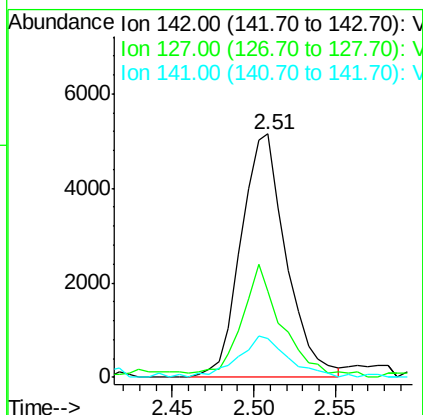
#11
Methyl Iodide
Concen: 3.051 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Tot Ion:	142	Resp:	9929
Ion Ratio	Lower	Upper	
142	100		
127	33.8	18.9	56.9
141	16.2	6.6	19.7

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

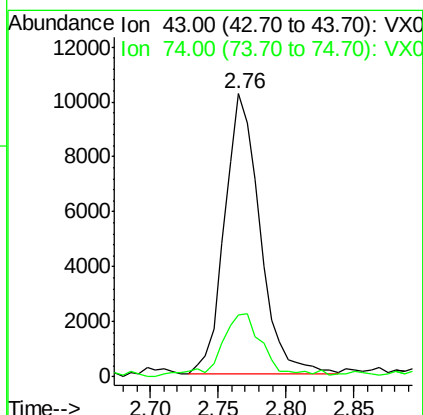
Manual Integrations
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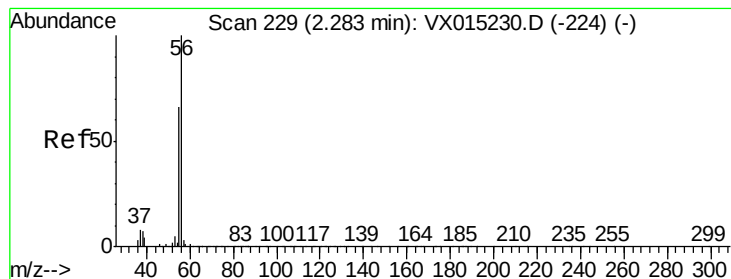
MMDadoda
3/16/2020 2:07:40 PM



#12
Methyl Acetate
Concen: 4.729 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Tgt Ion:	43	Resp:	18458
Ion Ratio	Lower	Upper	
43	100		
74	20.6	18.0	27.0





#13

Acrolein

Concen: 22.699 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 56 Resp: 13990

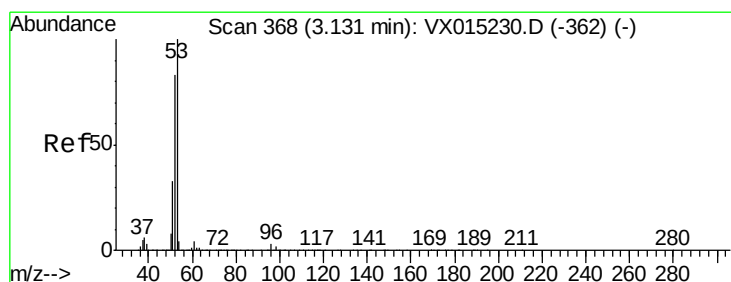
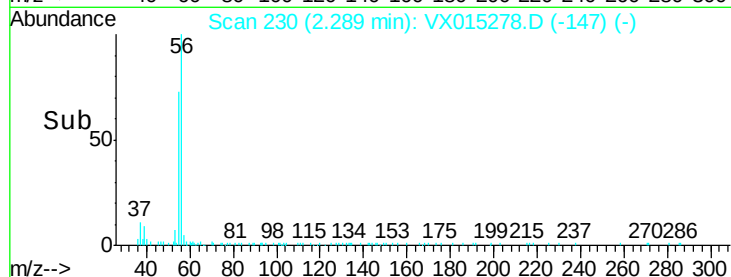
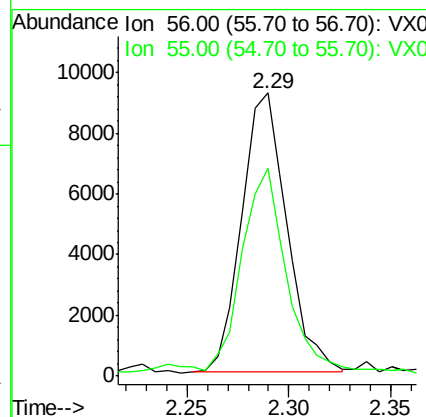
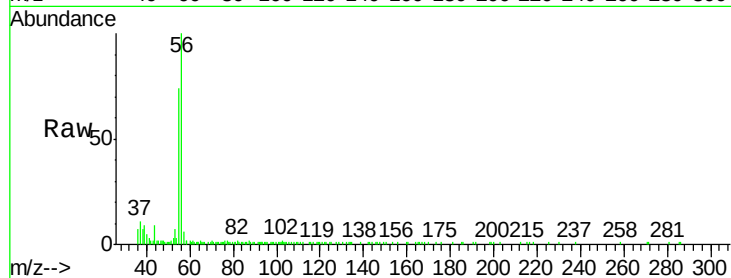
Ion Ratio Lower Upper

56 100

55 72.7 55.1 82.7

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#14

Acrylonitrile

Concen: 22.906 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

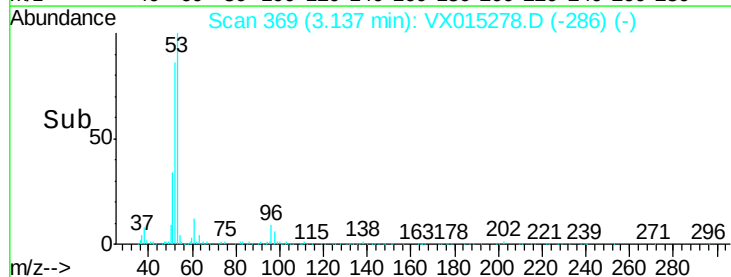
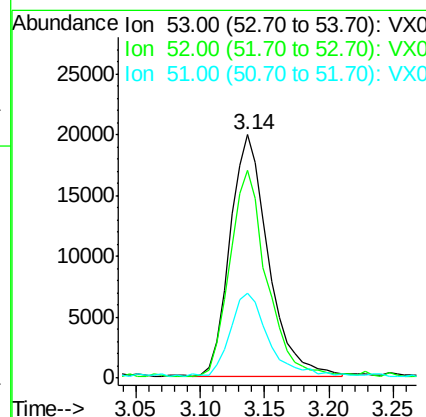
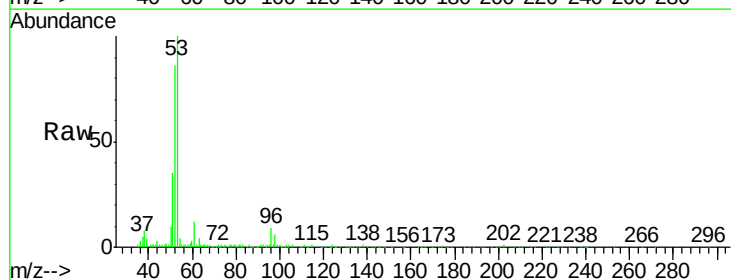
Tgt Ion: 53 Resp: 41485

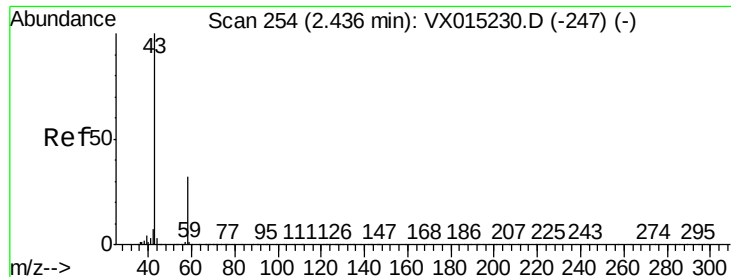
Ion Ratio Lower Upper

53 100

52 81.9 41.5 124.5

51 33.7 17.7 53.1





#15

Acetone

Concen: 19.667 ug/l

RT: 2.44 min Scan# 255

Delta R.T. 0.01 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 58 Resp: 10451

Ion Ratio Lower Upper

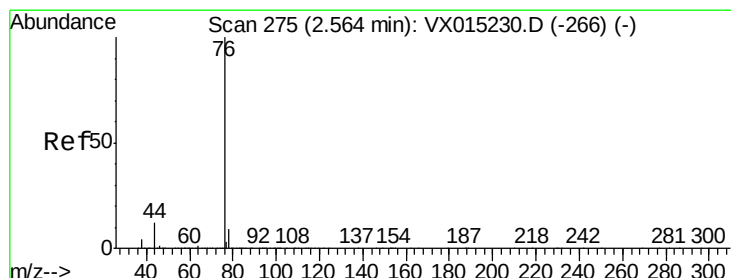
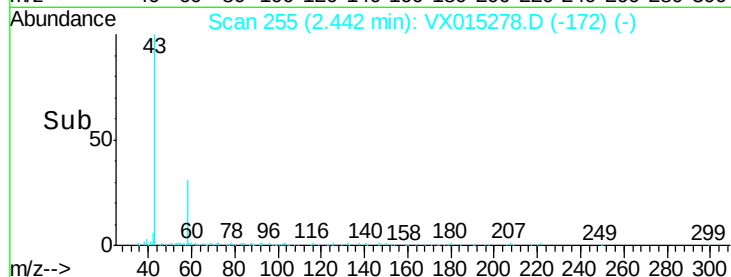
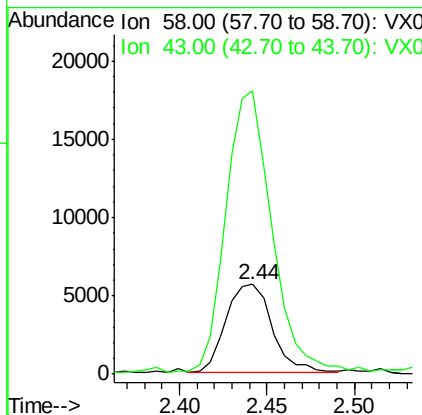
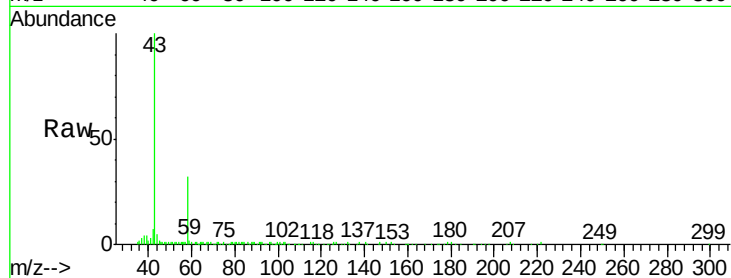
58 100

43 315.9 248.7 373.1

Manual Integrations
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#16

Carbon Disulfide

Concen: 4.179 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.00 min

Lab File: VX015278.D

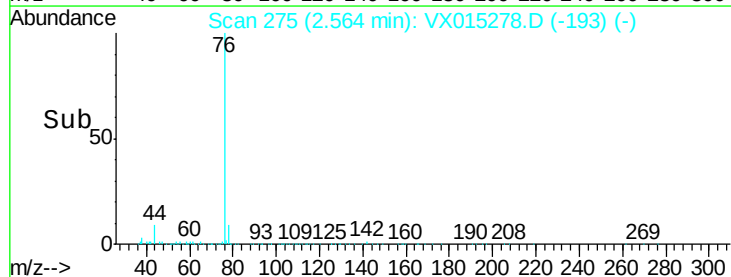
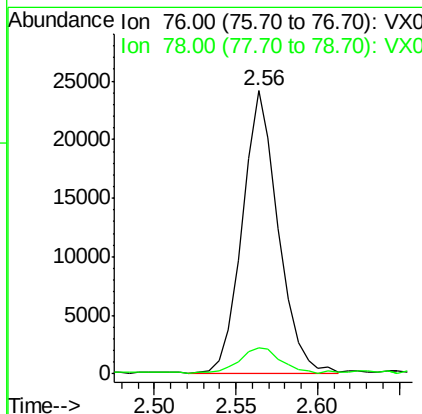
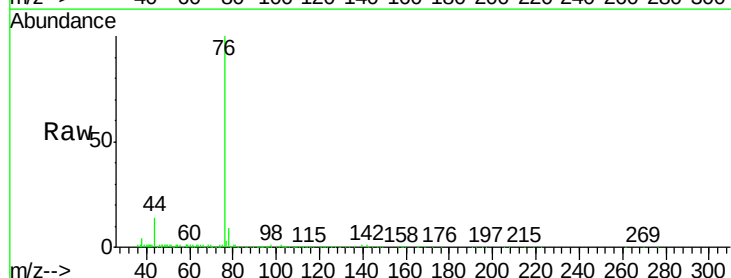
Acq: 13 Mar 2020 23:59

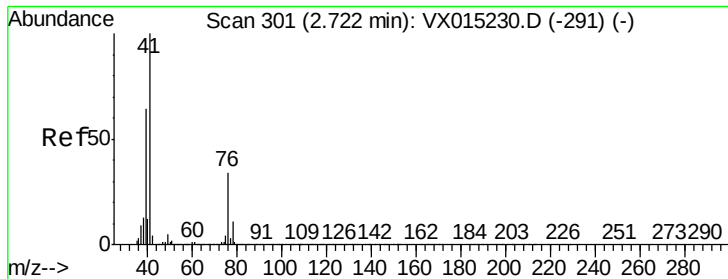
Tgt Ion: 76 Resp: 37024

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9





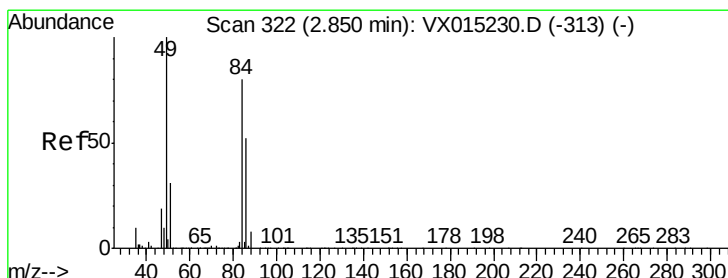
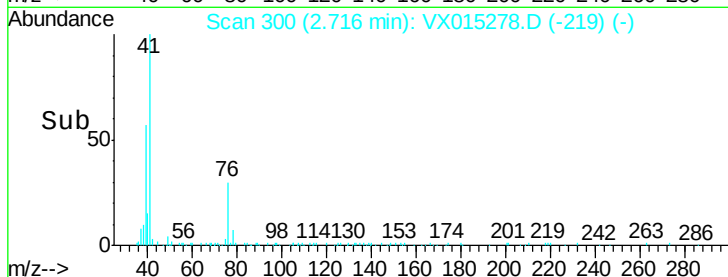
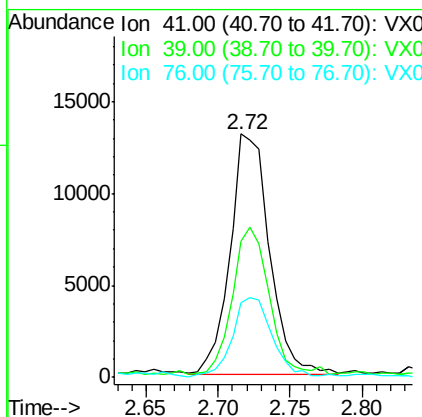
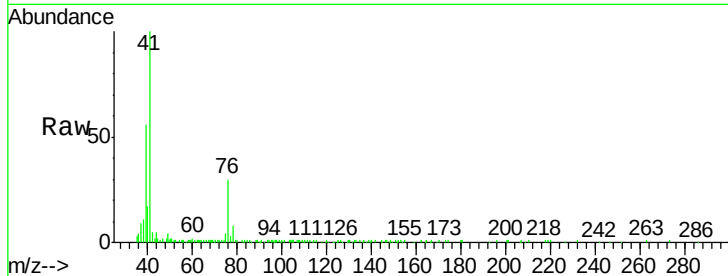
#17
Allvl chloride
Concen: 4.227 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.01 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion:	41	Resp:	24808
Ion Ratio	Lower	Upper	
41	100		
39	55.5	32.1	96.5
76	30.9	17.2	51.5

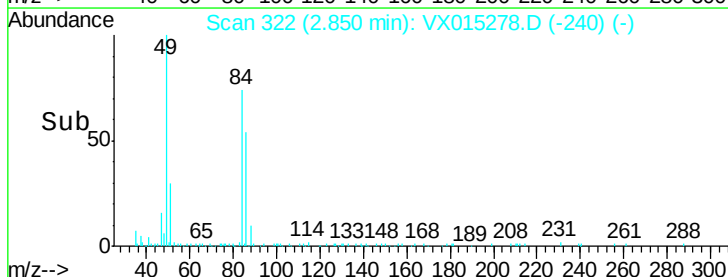
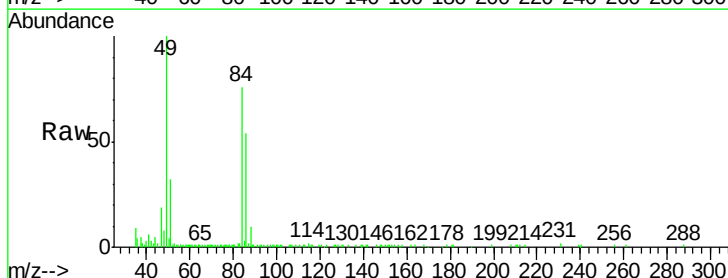
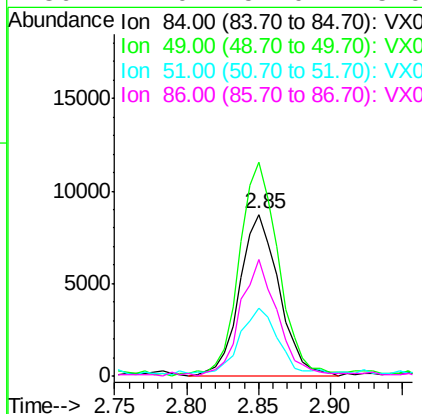
Manual Integrations
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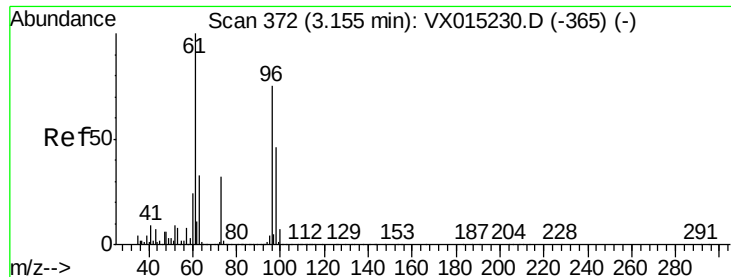
MMDadoda
3/16/2020 2:07:40 PM



#18
Methylene Chloride
Concen: 4.656 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Tgt Ion:	84	Resp:	16646
Ion Ratio	Lower	Upper	
84	100		
49	132.0	99.5	149.3
51	41.0	31.0	46.6
86	71.0	52.0	78.0





#19

trans-1,2-Dichloroethene

Concen: 4.734 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Instrument :

MSVOA_X

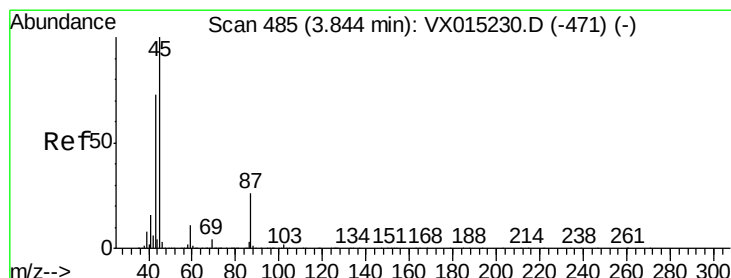
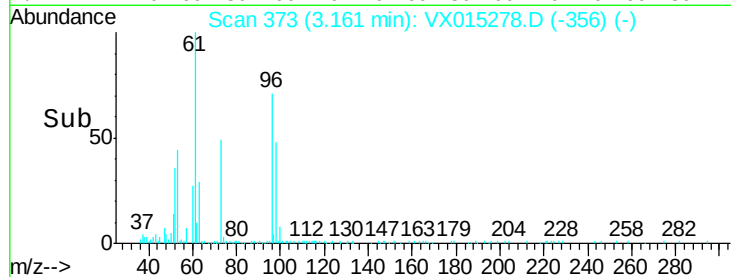
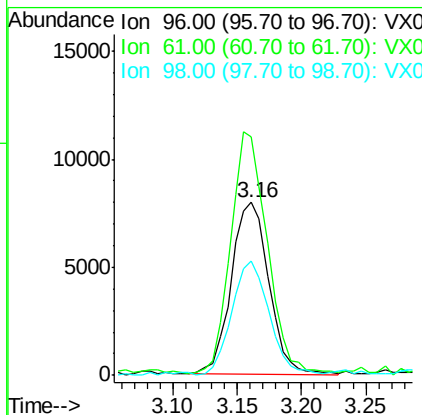
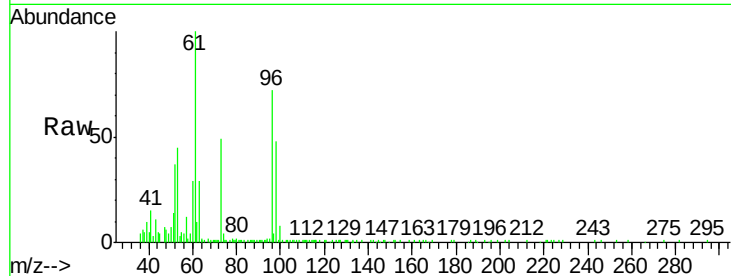
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	96	Resp:	16154
Ion Ratio	Lower	Upper	
96	100		
61	137.3	106.3	159.5
98	64.9	49.1	73.7

Manual Integrations
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#20

Diisopropyl ether

Concen: 4.504 ug/l

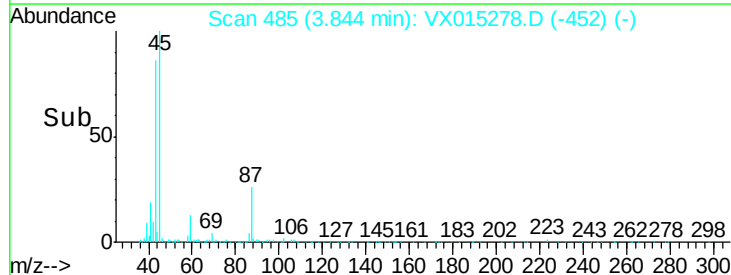
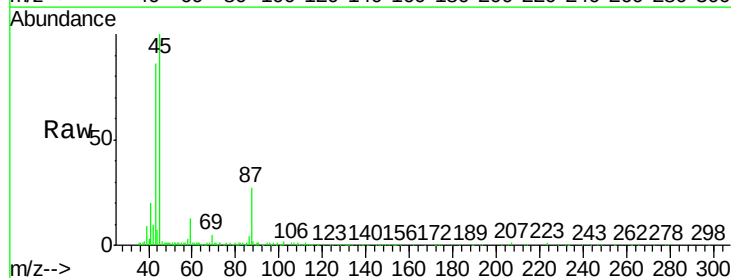
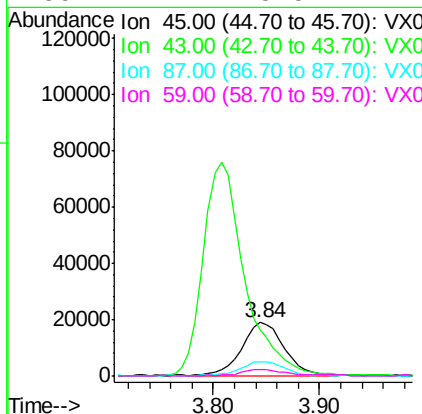
RT: 3.84 min Scan# 485

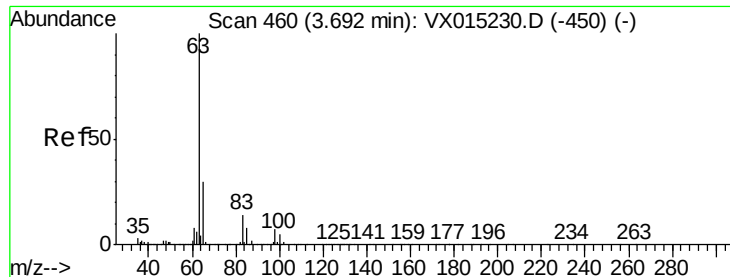
Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Tgt Ion:	45	Resp:	52515
Ion Ratio	Lower	Upper	
45	100		
43	84.3	58.6	87.8
87	26.2	21.0	31.4
59	11.2	8.5	12.7





#21

1,1-Dichloroethane

Concen: 4.568 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Instrument :

MSVOA_X

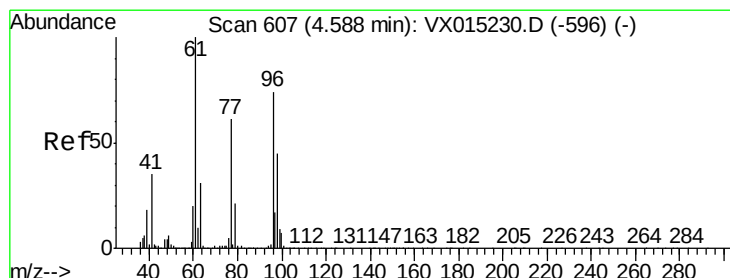
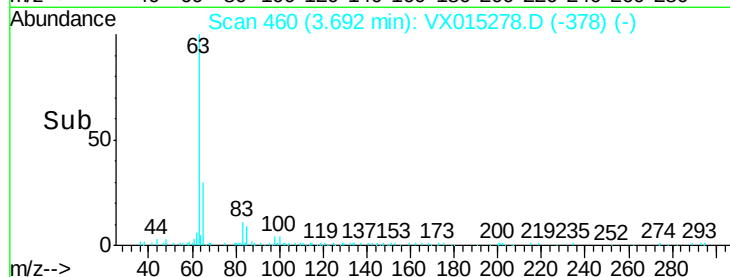
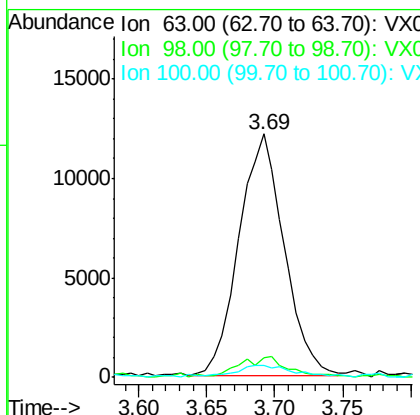
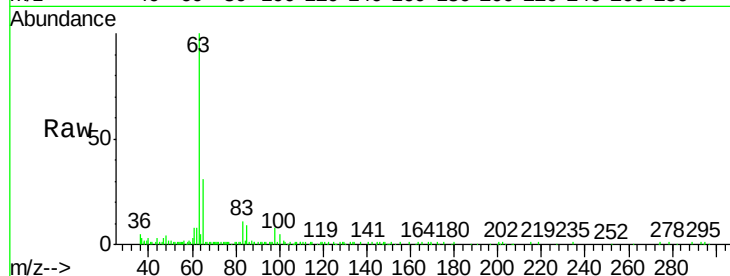
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	63	Resp:	28220
Ion Ratio	Lower	Upper	
63	100		
98	8.0	3.5	10.6
100	3.5	2.4	7.1

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#22

cis-1,2-Dichloroethene

Concen: 4.614 ug/l

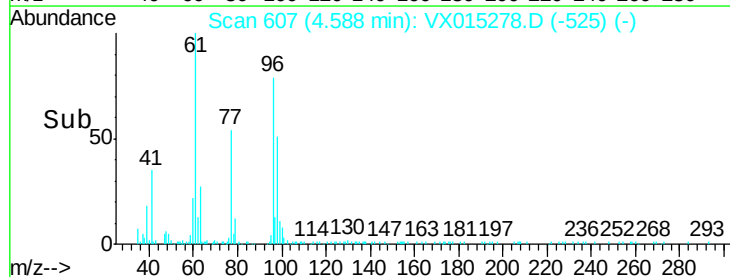
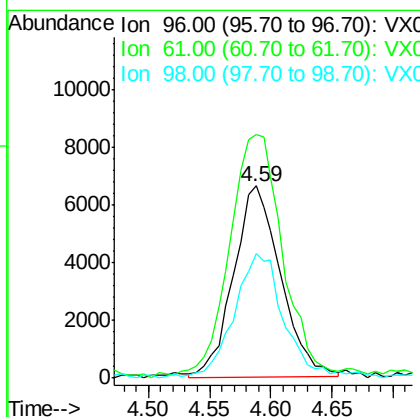
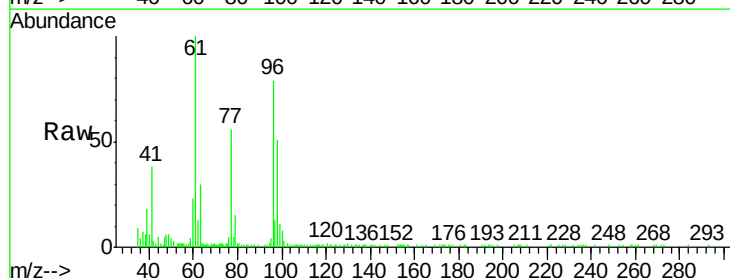
RT: 4.59 min Scan# 607

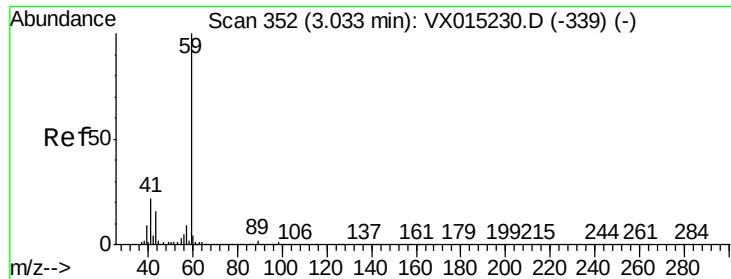
Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Tgt Ion:	96	Resp:	17799
Ion Ratio	Lower	Upper	
96	100		
61	138.6	111.4	167.0
98	66.3	50.1	75.1





#23

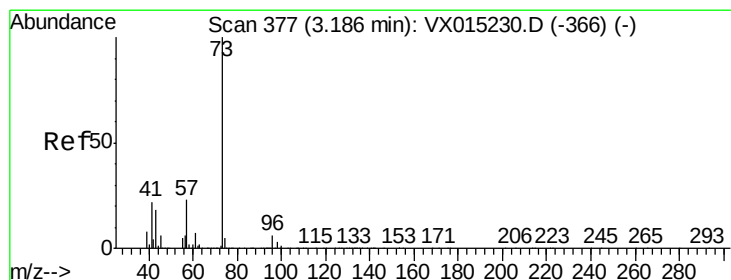
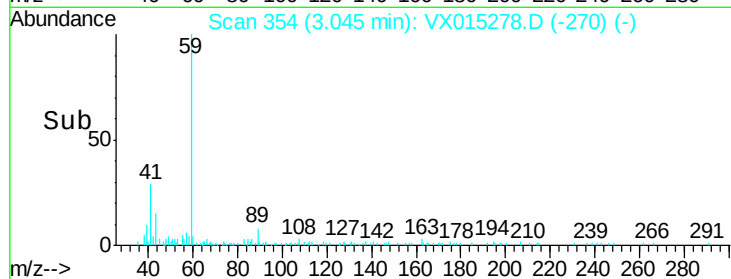
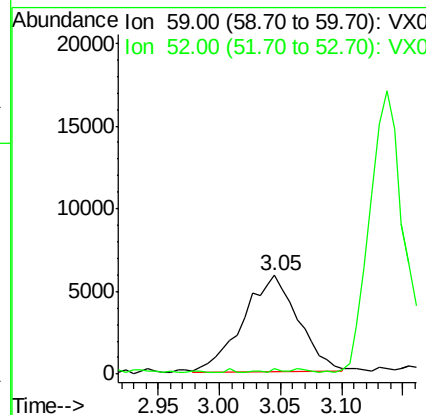
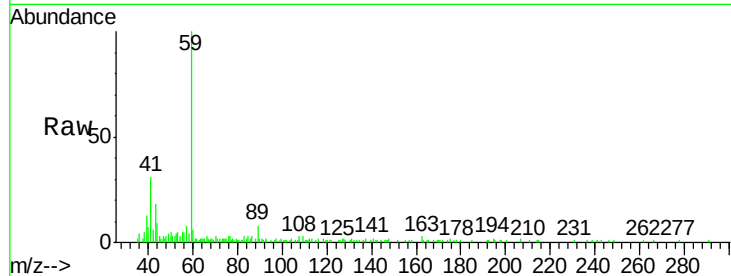
tert-Butyl Alcohol
Concen: 25.863 ug/l
RT: 3.05 min Scan# 354
Delta R.T. 0.01 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.7	0.4	0.6#

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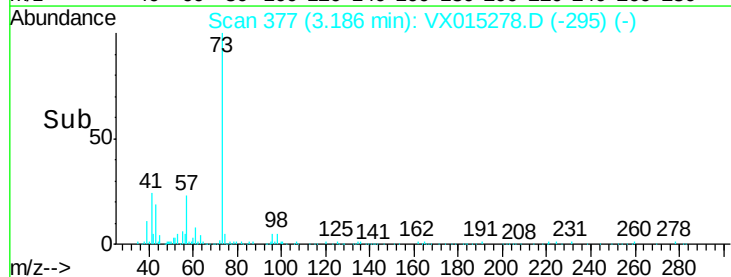
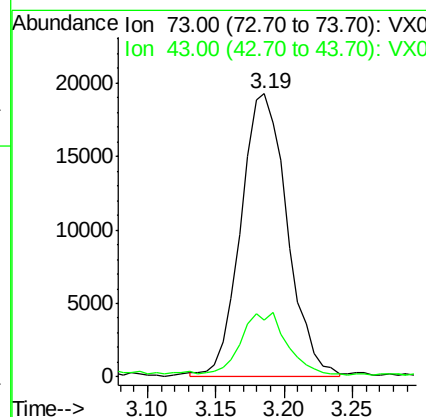
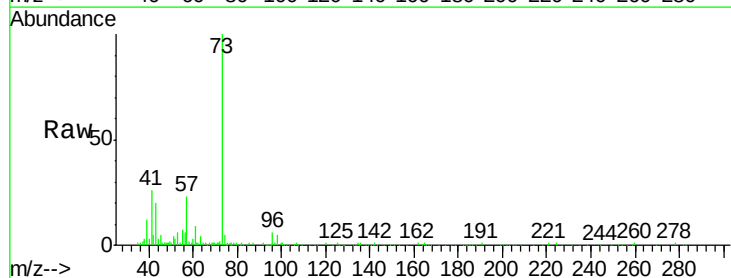
MMDadoda
3/16/2020 2:07:40 PM

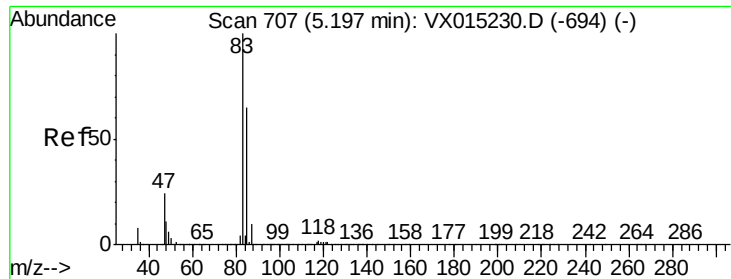


#24

Methyl tert-Butyl Ether
Concen: 4.462 ug/l m
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Tgt Ion	Ratio	Lower	Upper
73	100		
43	0.1	15.9	23.9#





#25

Chloroform

Concen: 4.775 ug/l

RT: 5.20 min Scan# 707

Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 83 Resp: 28065

Ion Ratio Lower Upper

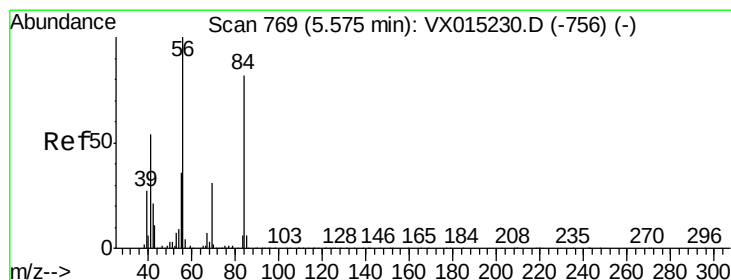
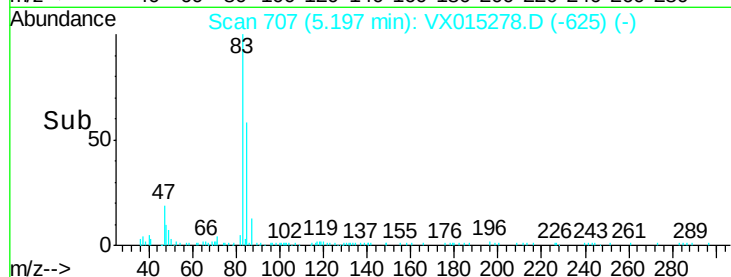
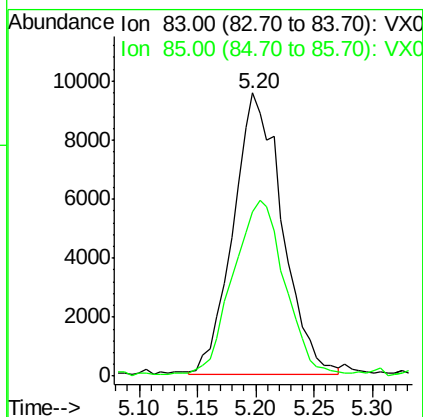
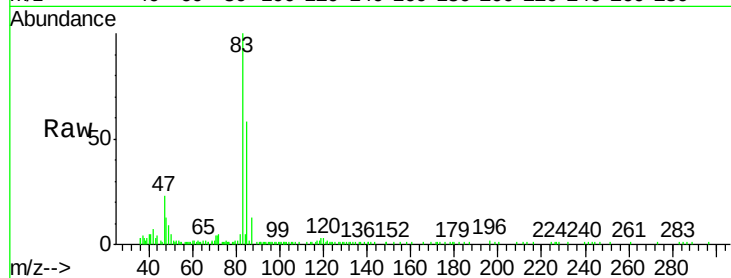
83 100

85 57.9 51.4 77.2

Manual Integrations
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#26

Cyclohexane

Concen: 4.737 ug/l

RT: 5.58 min Scan# 769

Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

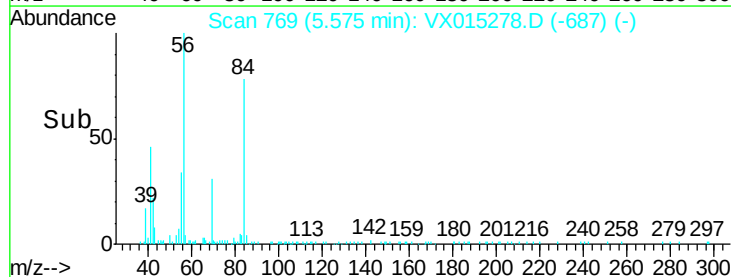
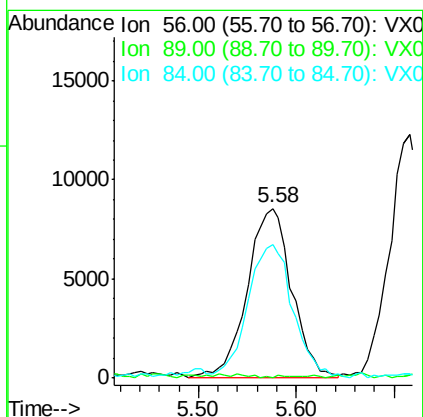
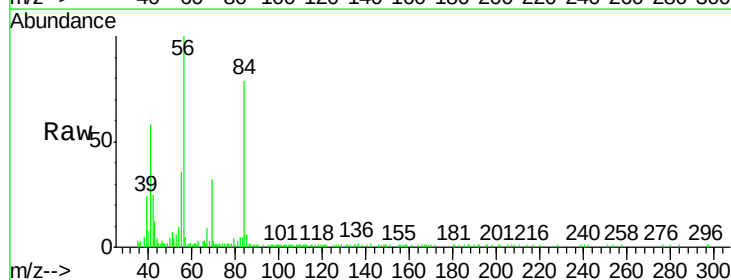
Tgt Ion: 56 Resp: 27196

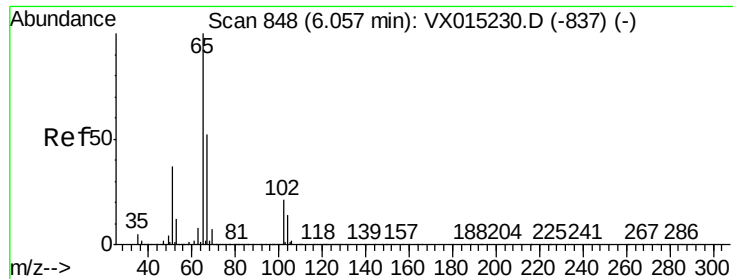
Ion Ratio Lower Upper

56 100

89 0.3 0.1 0.1#

84 79.5 68.2 102.4





#27

1,2-Dichloroethane-d4

Concen: 29.535 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 65 Resp: 108234

Ion Ratio Lower Upper

65 100

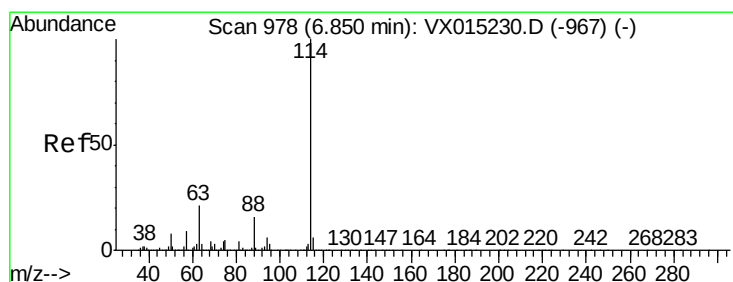
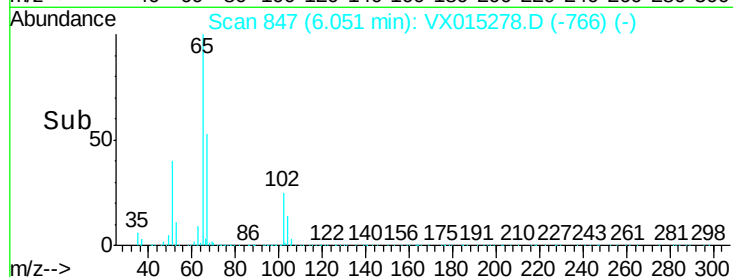
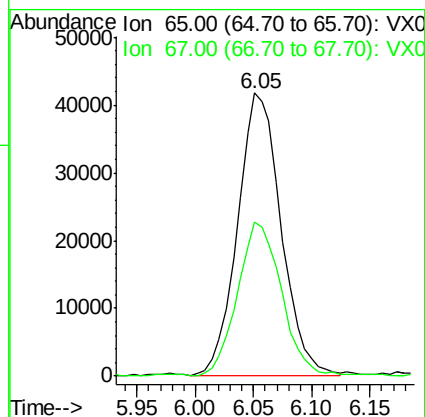
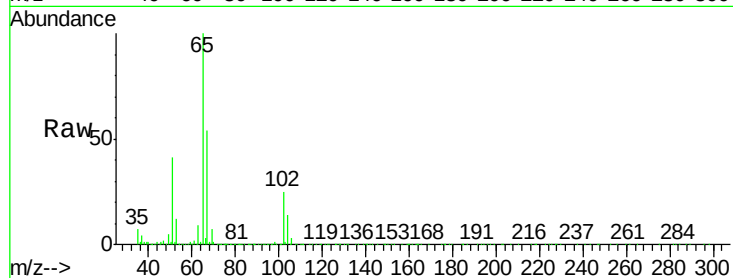
67 53.7 43.5 65.3

Manual Integrations

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

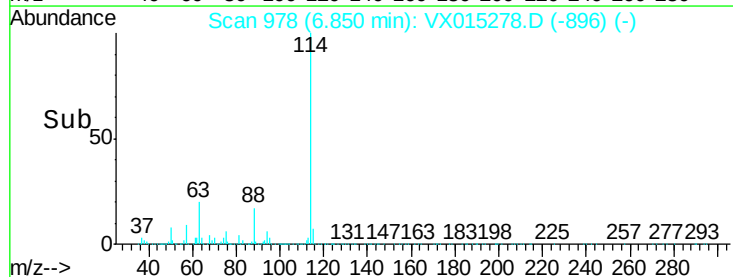
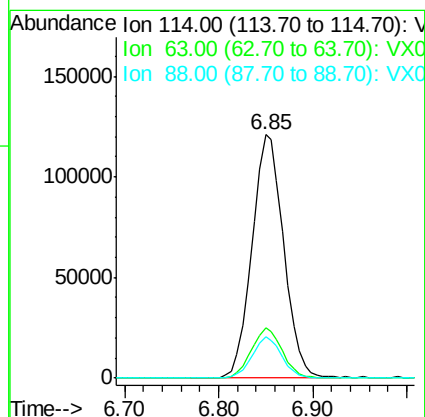
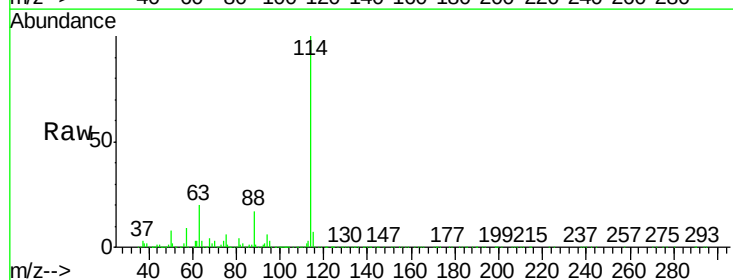
Tgt Ion: 114 Resp: 285711

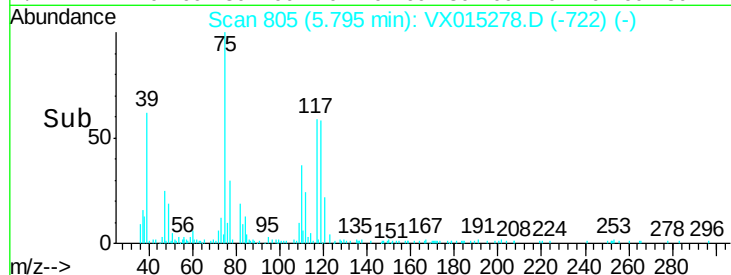
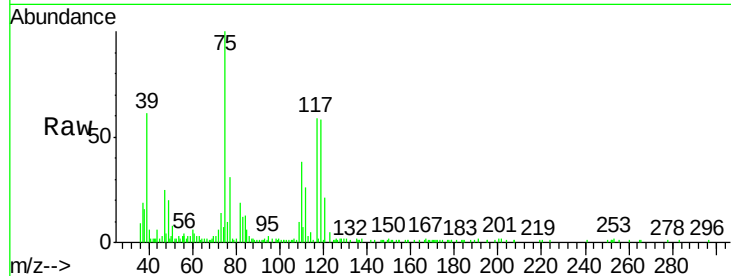
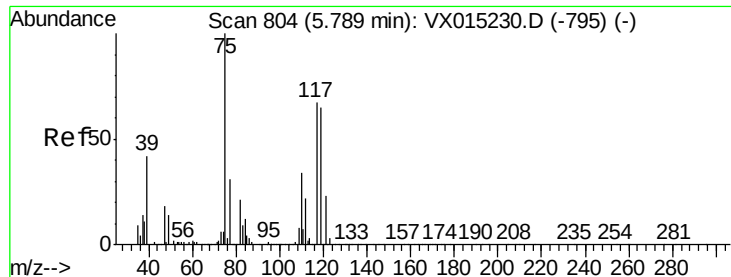
Ion Ratio Lower Upper

114 100

63 20.0 16.6 24.8

88 15.8 12.6 19.0





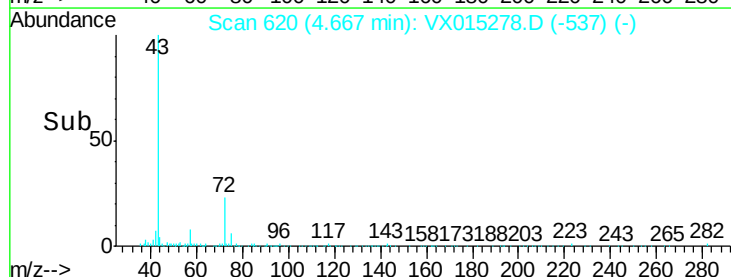
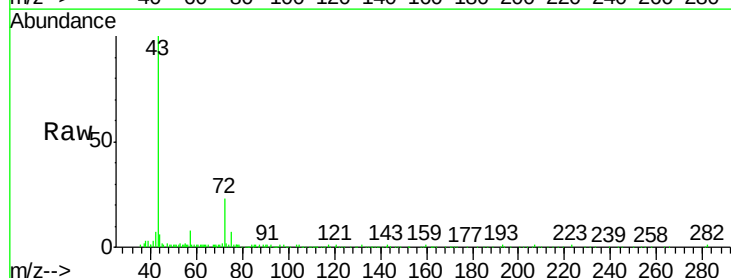
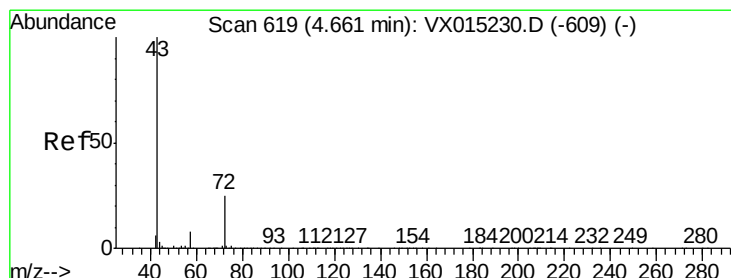
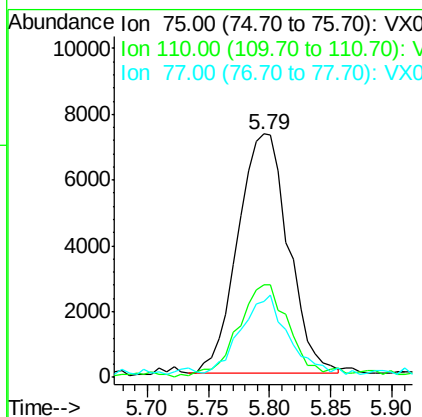
#29
1,1-Dichloropropene
Concen: 4.777 ug/l
RT: 5.79 min Scan# 805
Delta R.T. 0.01 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.8	0.0	73.6
77	31.2	0.0	63.4

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

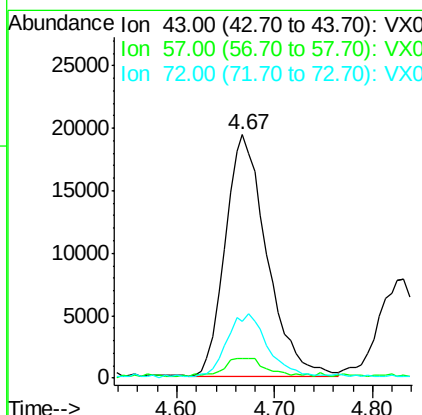
Manual Integrations
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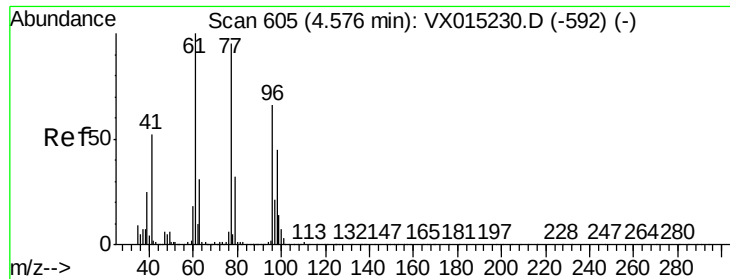
MMDadoda
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#30
2-Butanone
Concen: 24.192 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Tgt Ion	Ratio	Lower	Upper
43	100		
57	4.0	6.4	9.6#
72	25.5	19.9	29.9





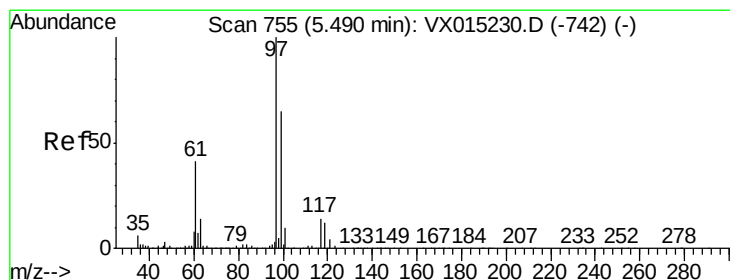
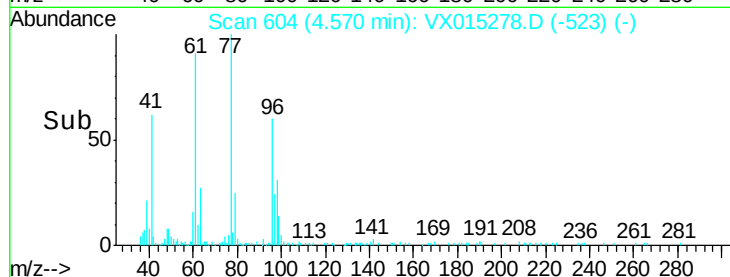
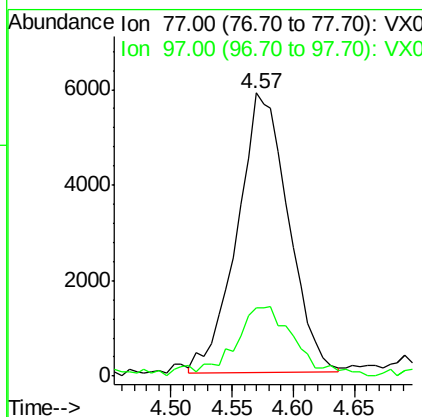
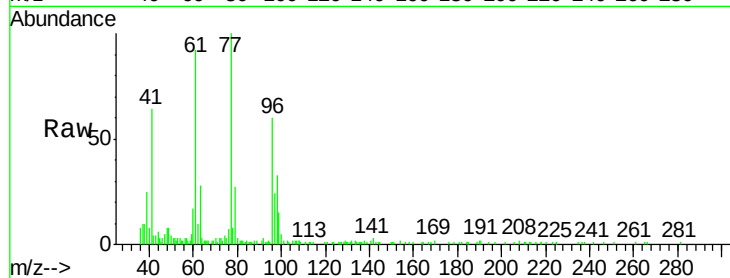
#31
 2,2-Dichloropropane
 Concen: 3.780 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VX015278.D
 Acq: 13 Mar 2020 23:59

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
77	100		
97	25.0	19.8	29.6

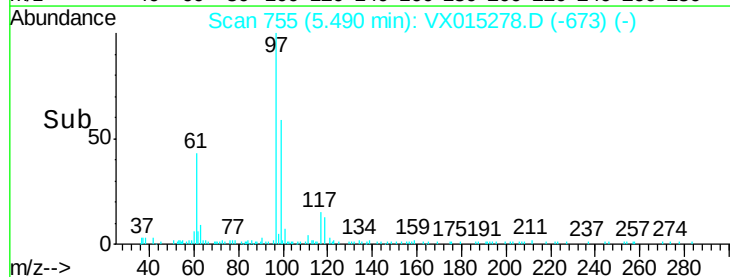
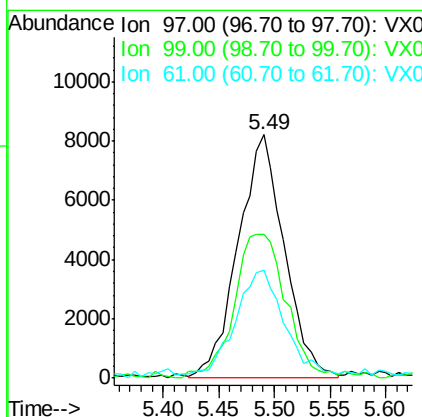
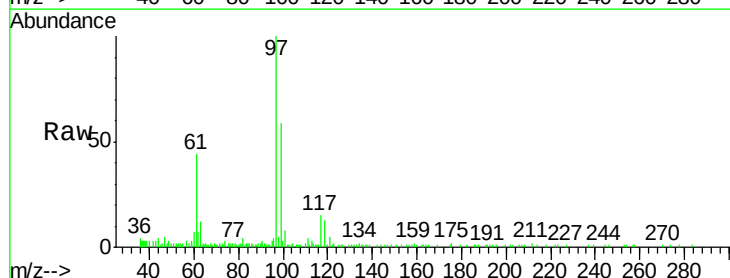
Manual Integrations
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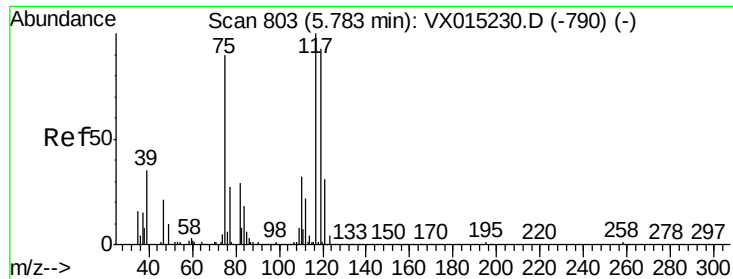
MMDadoda
 3/16/2020 2:07:40 PM



#32
 1,1,1-Trichloroethane
 Concen: 4.980 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX015278.D
 Acq: 13 Mar 2020 23:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	52.0	78.0
61	38.2	35.0	52.6





#33

Carbon Tetrachloride

Concen: 4.922 ug/l

RT: 5.78 min Scan# 802

Delta R.T. -0.01 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Instrument :

MSVOA_X

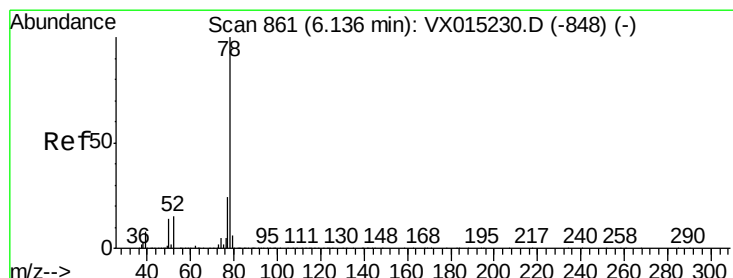
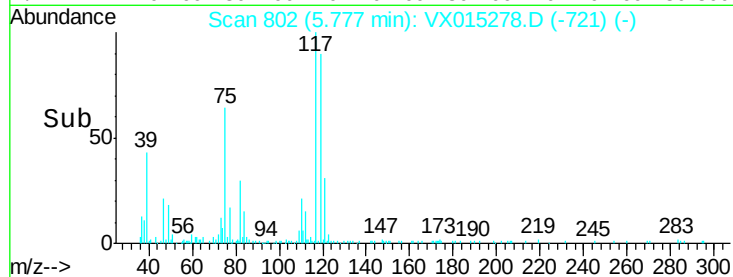
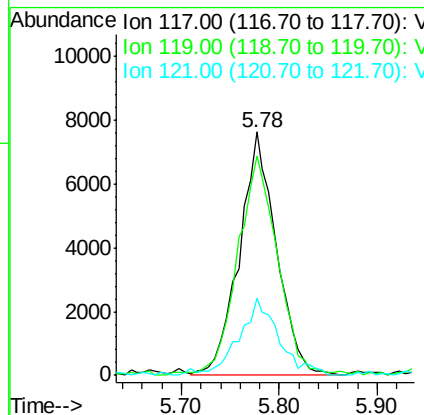
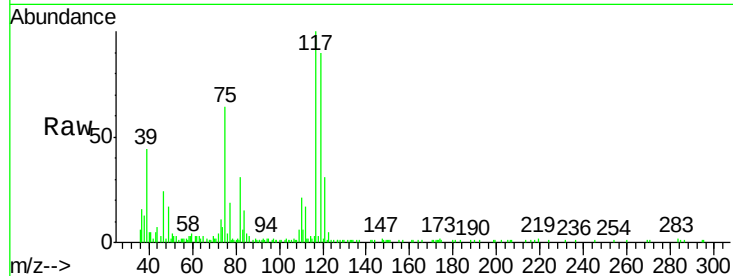
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	117	Resp:	20095
Ion	Ratio	Lower	Upper
117	100		
119	89.2	74.2	111.4
121	31.5	24.3	36.5

Manual Integrations
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#34

Benzene

Concen: 5.158 ug/l

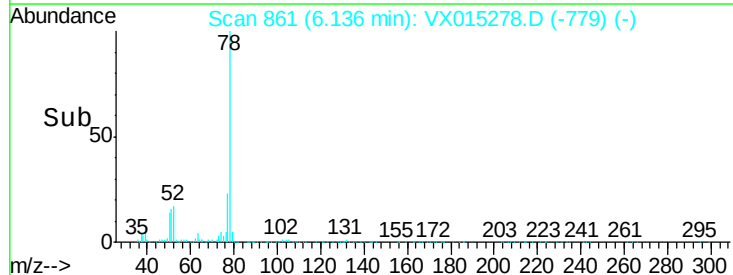
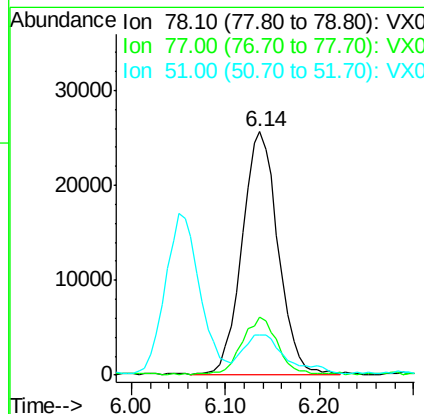
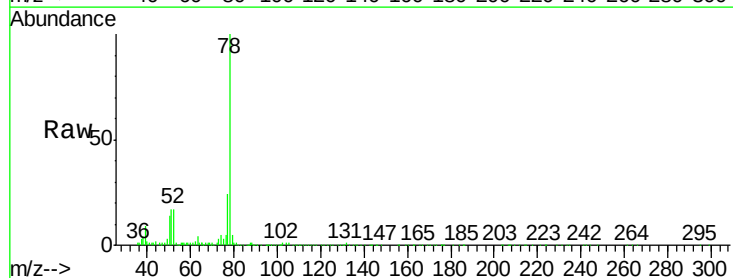
RT: 6.14 min Scan# 861

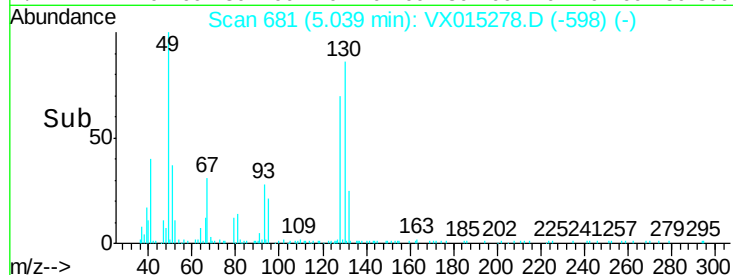
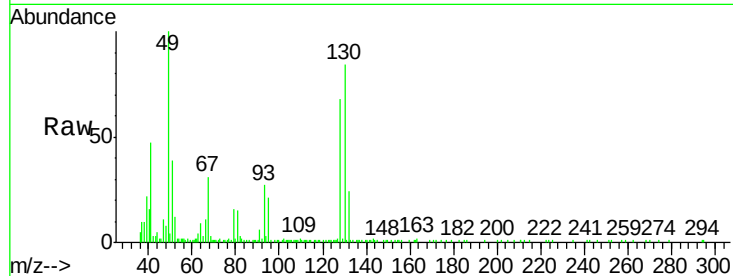
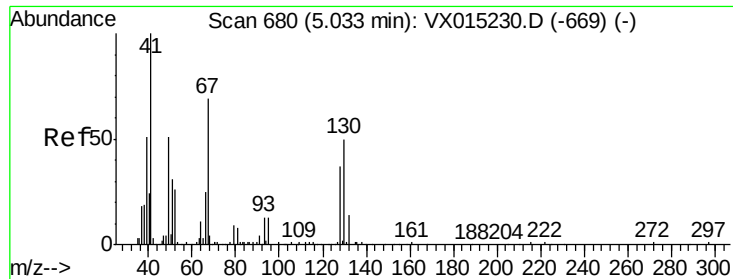
Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Tgt Ion:	78	Resp:	68521
Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.1	28.7
51	14.9	13.4	20.2





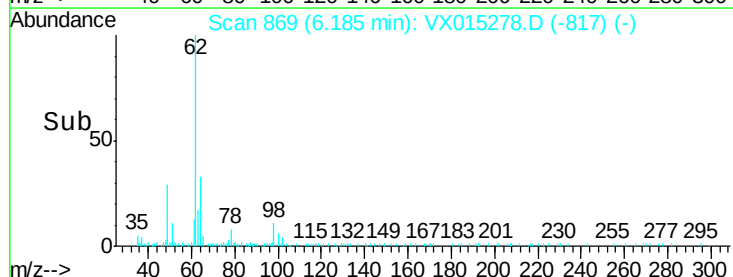
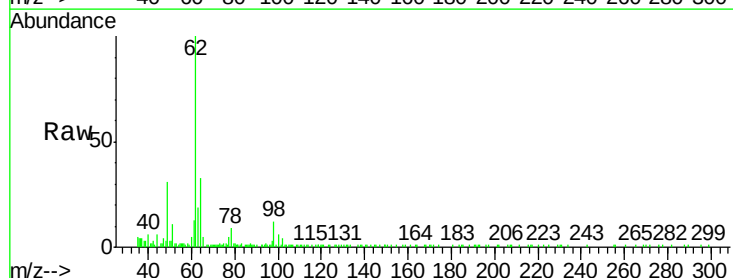
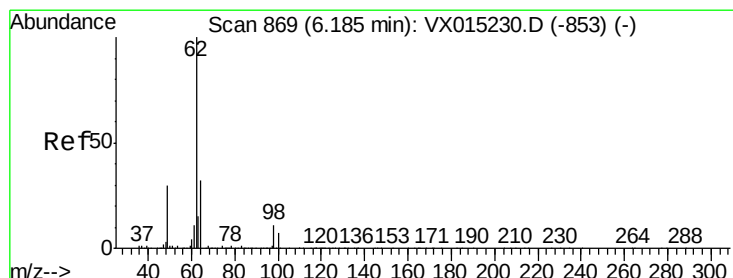
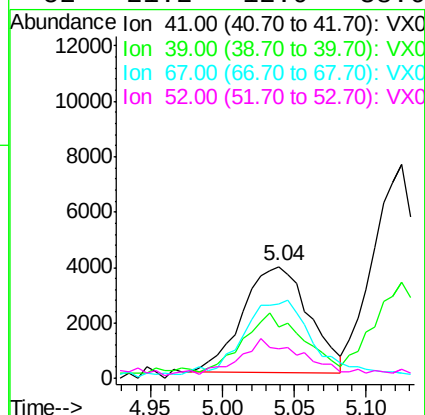
#35
Methacrylonitrile
Concen: 4.820 ug/l
RT: 5.04 min Scan# 681
Delta R.T. 0.01 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		12235		
39	41.0	25.7	77.1		
67	62.5	34.3	102.8		
52	21.2	12.9	38.6		

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

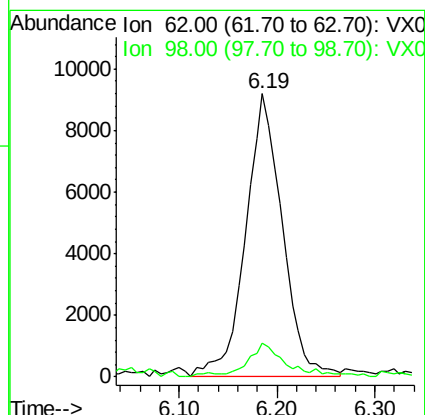
Manual Integrations
APPROVED

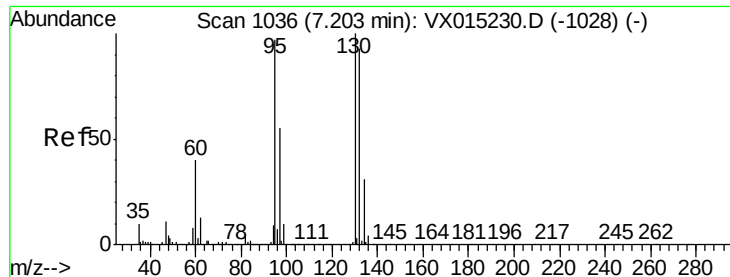
MMDadoda
3/16/2020 2:07:40 PM



#36
1,2-Dichloroethane
Concen: 5.414 ug/l
RT: 6.19 min Scan# 869
Delta R.T. -0.18 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		23993		
98	8.7	8.4	12.6		





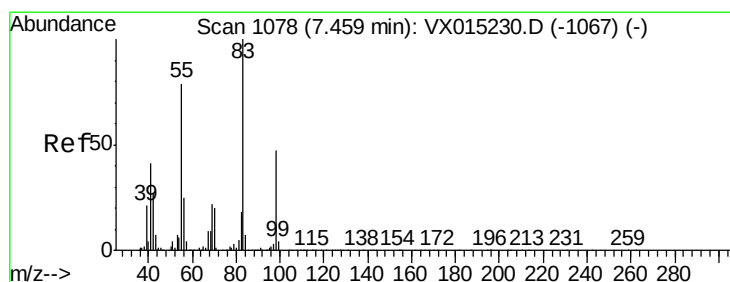
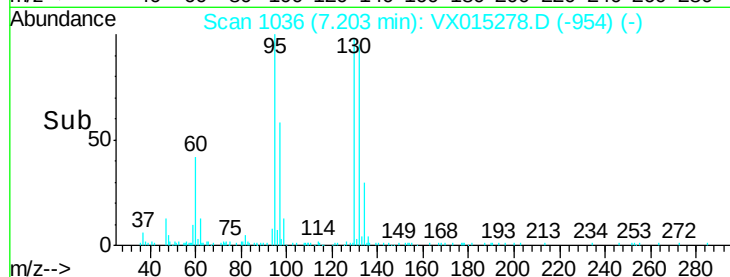
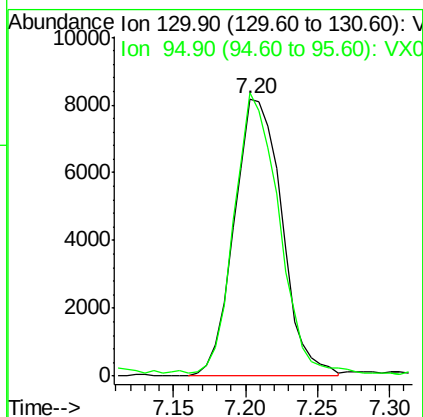
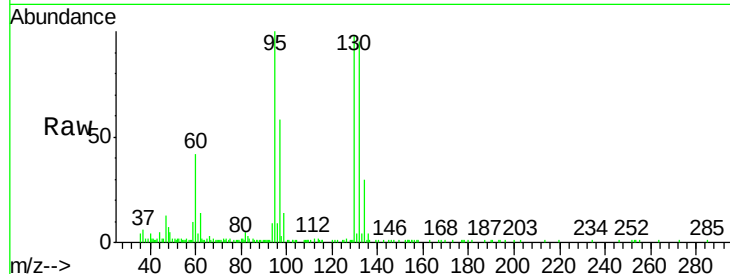
#37
 Trichloroethene
 Concen: 5.114 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: VX015278.D
 Acq: 13 Mar 2020 23:59

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion:130 Resp: 18789
 Ion Ratio Lower Upper
 130 100
 95 101.2 77.4 116.0

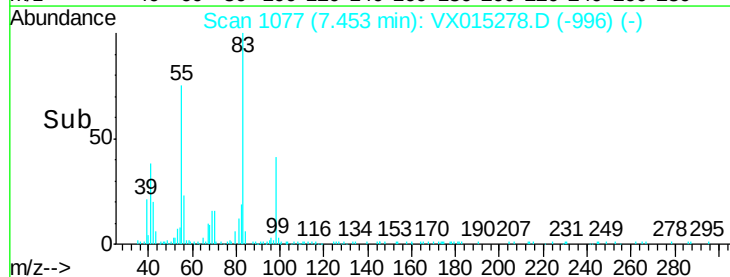
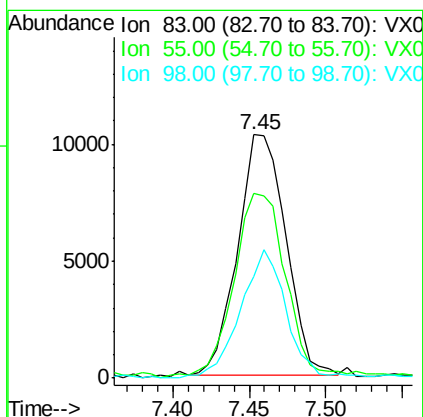
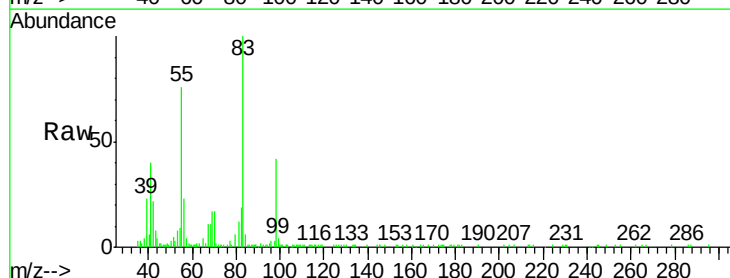
Manual Integrations
 APPROVED

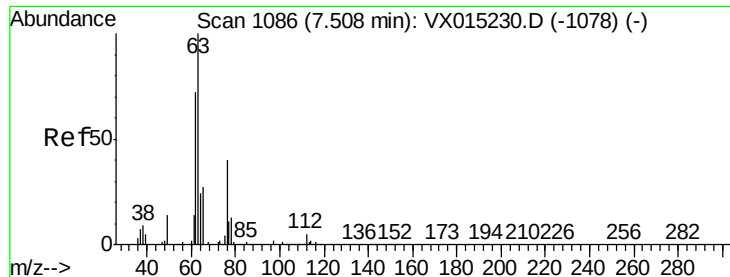
MMDadoda
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#38
 Methylcyclohexane
 Concen: 4.237 ug/l
 RT: 7.45 min Scan# 1077
 Delta R.T. -0.01 min
 Lab File: VX015278.D
 Acq: 13 Mar 2020 23:59

Tgt Ion: 83 Resp: 22573
 Ion Ratio Lower Upper
 83 100
 55 78.5 39.1 117.2
 98 49.7 24.4 73.2





#39

1,2-Dichloropropane

Concen: 4.740 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 63 Resp: 16269

Ion Ratio Lower Upper

63 100

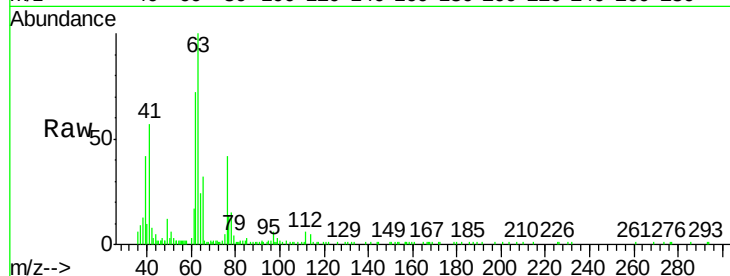
65 31.6 23.2 34.8

Manual Integrations

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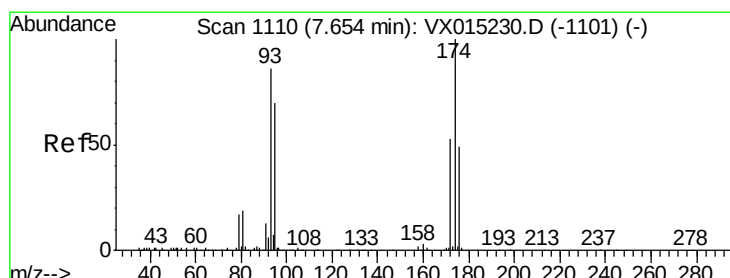
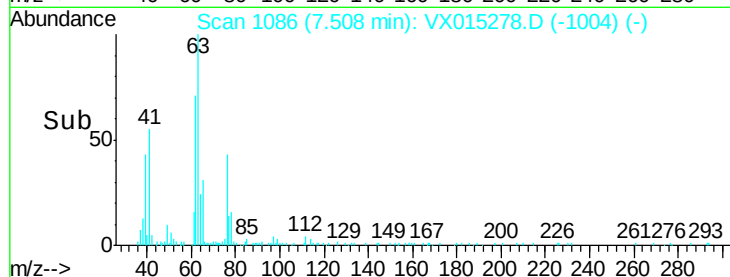
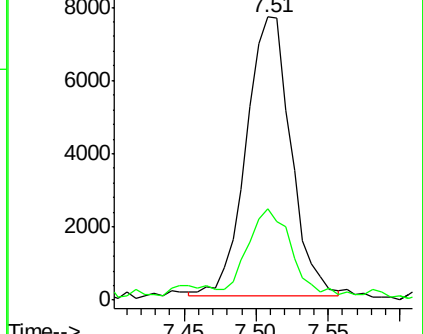
MMDadoda

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Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0



#40

Dibromomethane

Concen: 5.204 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

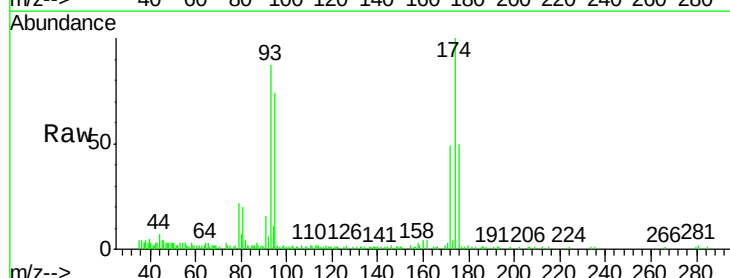
Tgt Ion: 93 Resp: 11352

Ion Ratio Lower Upper

93 100

95 75.5 0.0 162.6

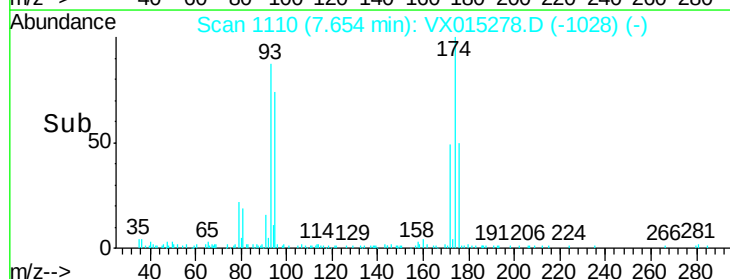
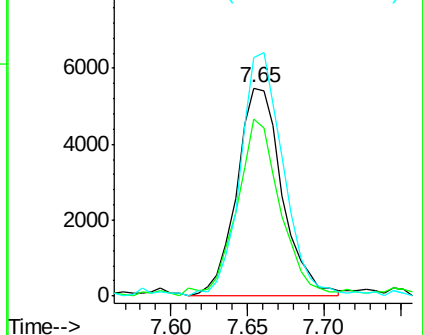
174 110.5 0.0 233.6

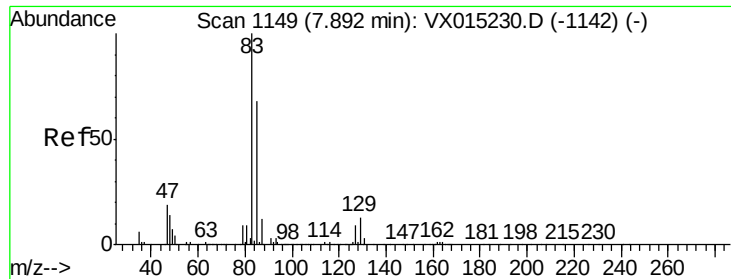


Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 4.442 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Instrument :

MSVOA_X

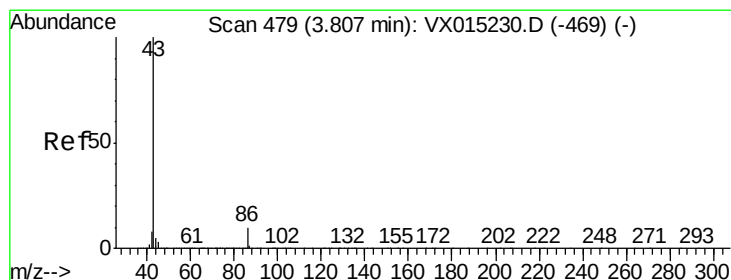
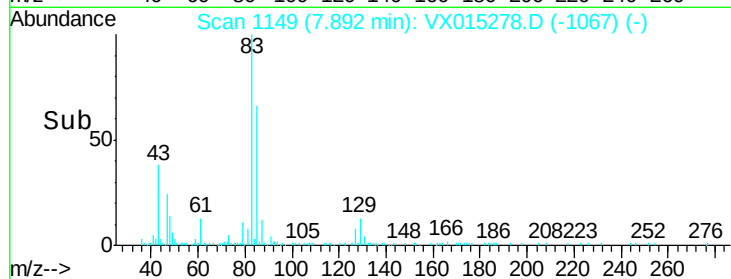
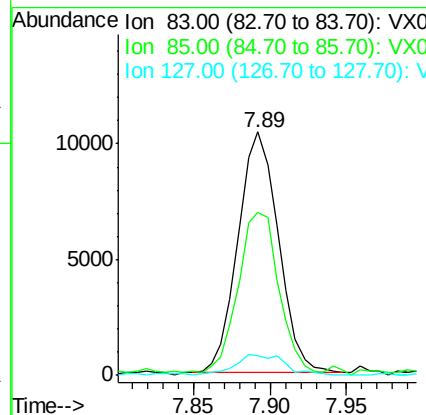
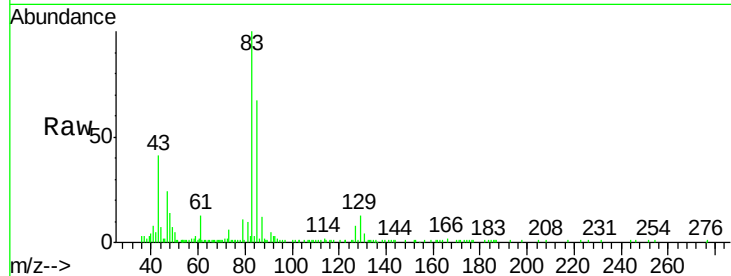
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	83	Resp:	19163
Ion Ratio	Lower	Upper	
83	100		
85	65.9	54.2	81.4
127	8.2	7.1	10.7

Manual Integrations
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3/16/2020 2:07:40 PM



#42

Vinyl Acetate

Concen: 22.012 ug/l

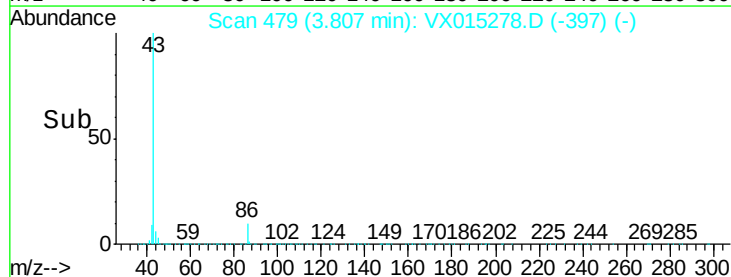
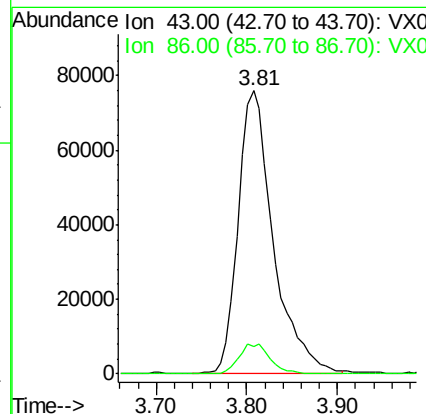
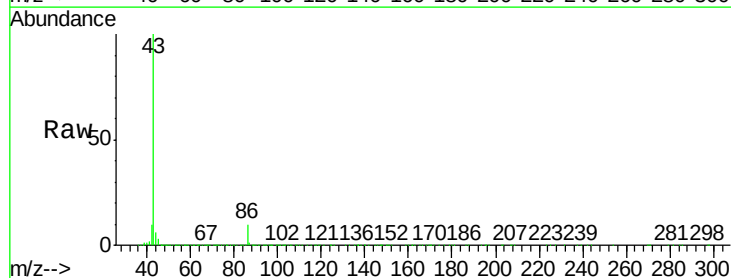
RT: 3.81 min Scan# 479

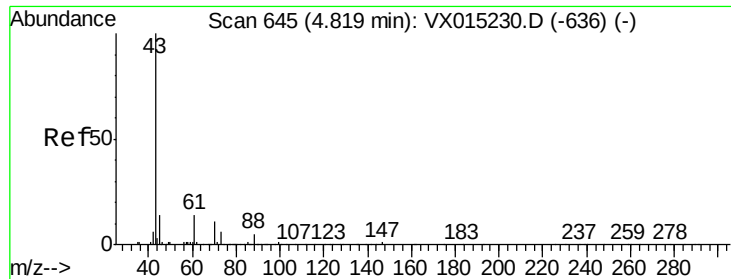
Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Tgt Ion:	43	Resp:	203808
Ion Ratio	Lower	Upper	
43	100		
86	9.3	7.4	11.2





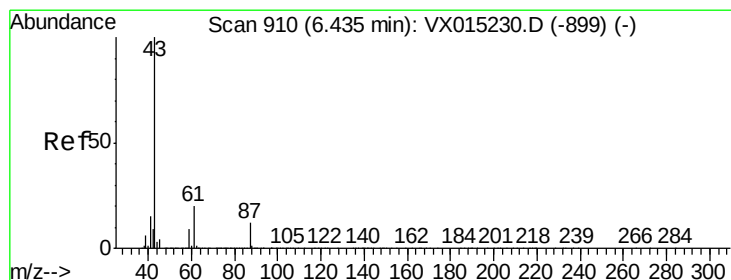
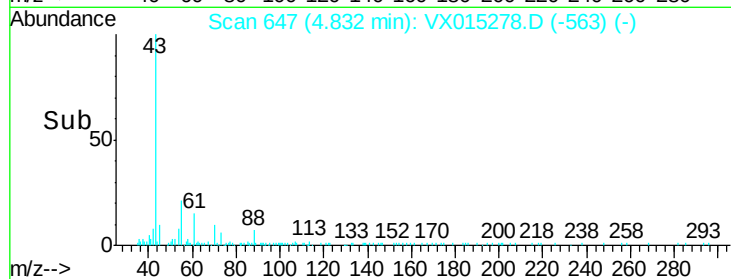
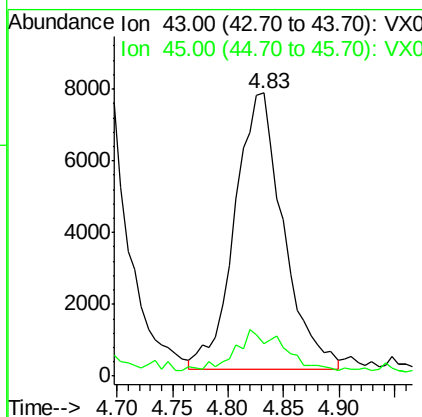
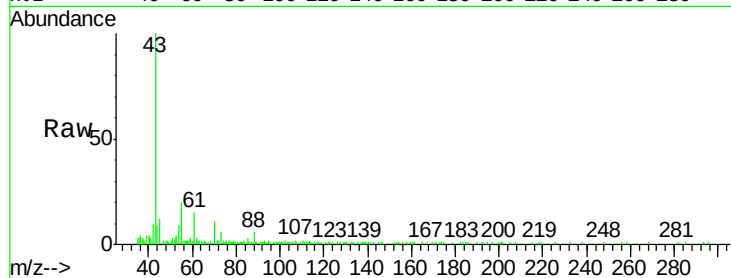
#43
Ethyl Acetate
Concen: 5.242 ug/l
RT: 4.83 min Scan# 647
Delta R.T. 0.01 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
43	100		
45	4.3	11.7	17.5#

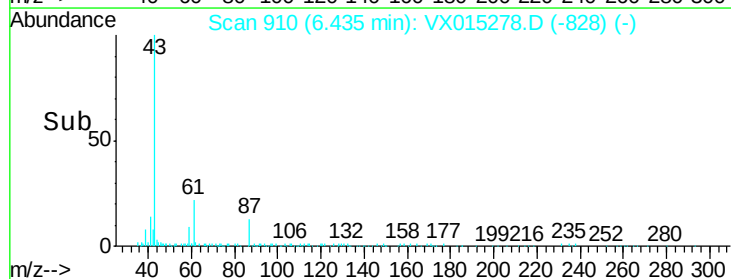
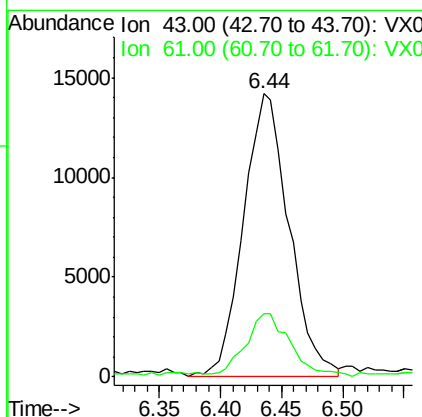
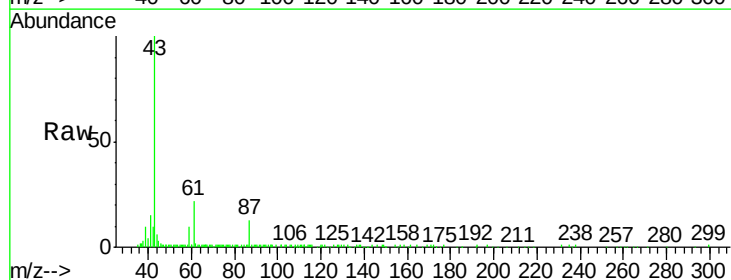
Manual Integrations
APPROVED

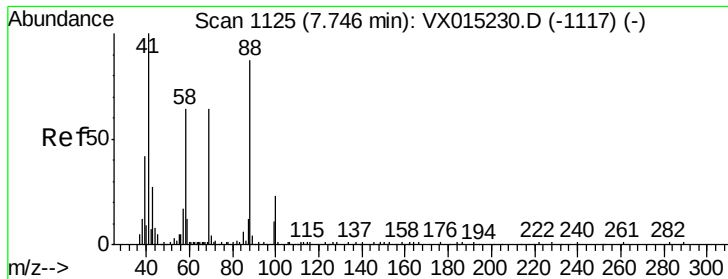
MMDadoda
3/16/2020 2:07:40 PM



#44
Isopropyl Acetate
Concen: 4.892 ug/l
RT: 6.44 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Tgt Ion	Ratio	Lower	Upper
43	100		
61	22.4	17.0	25.4





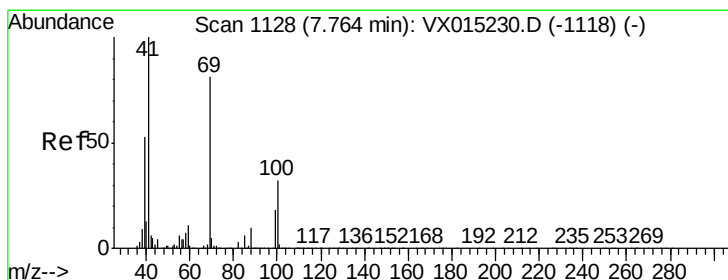
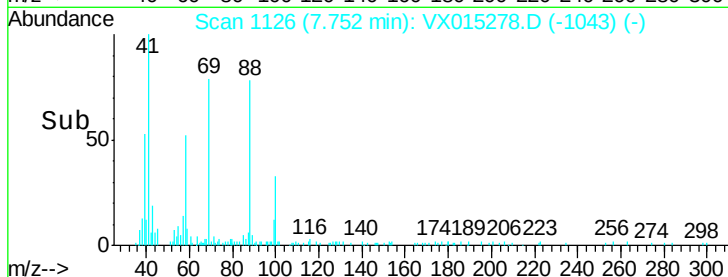
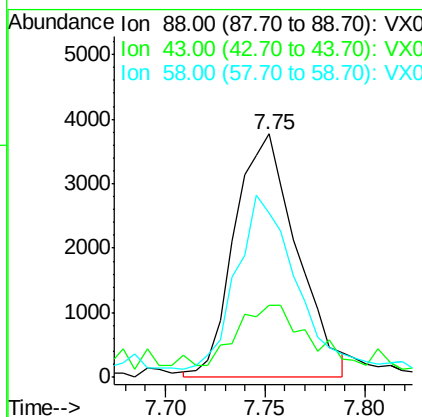
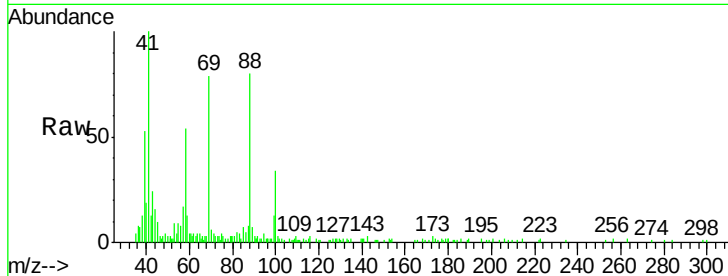
#45
1,4-Dioxane
Concen: 110.356 ug/l m
RT: 7.75 min Scan# 1126
Delta R.T. 0.01 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
88	100		
43	1.0	26.4	39.6#
58	3.0	57.3	85.9#

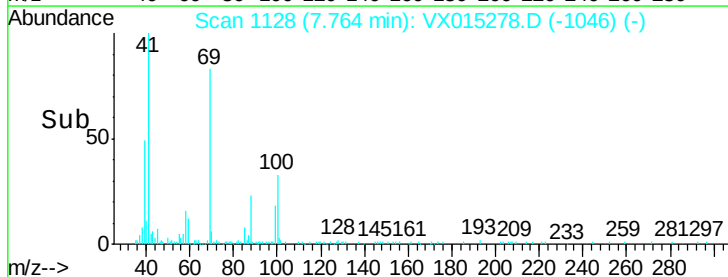
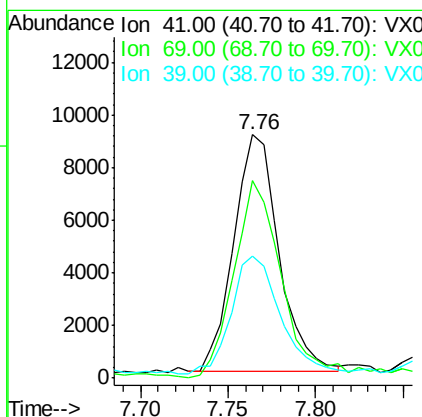
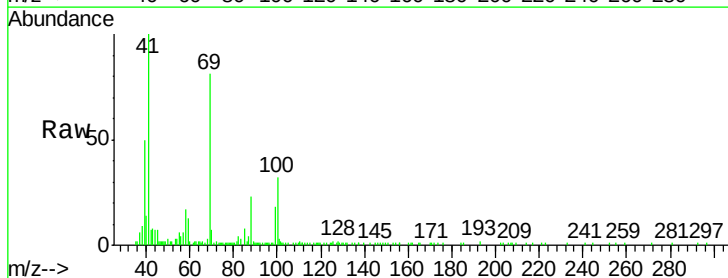
Manual Integrations
APPROVED

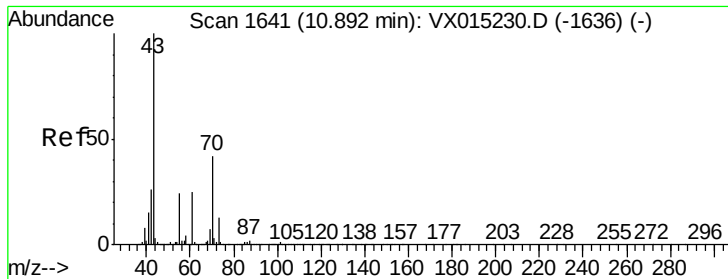
MMDadoda
3/16/2020 2:07:40 PM



#46
Methyl methacrylate
Concen: 4.352 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.8	40.5	121.4
39	50.1	26.6	79.8





#47

n-amvl Acetate

Concen: 3.656 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 43 Resp: 24722

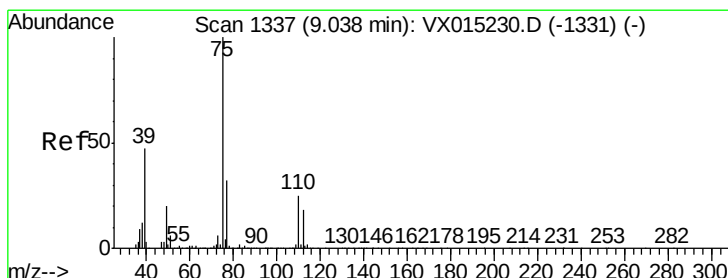
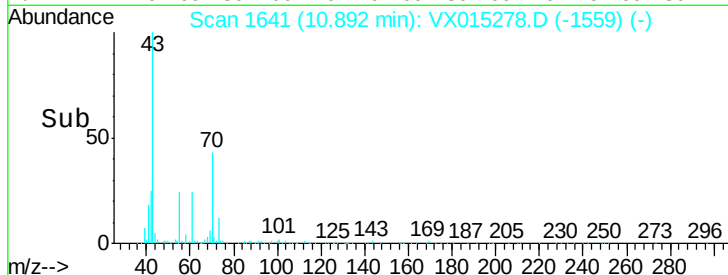
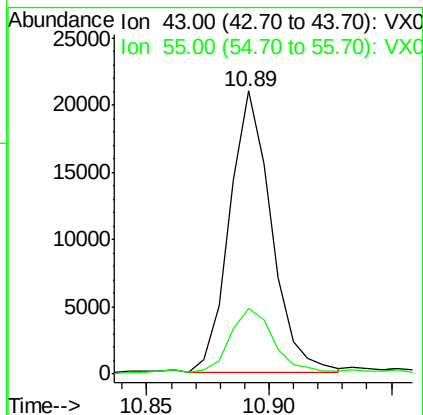
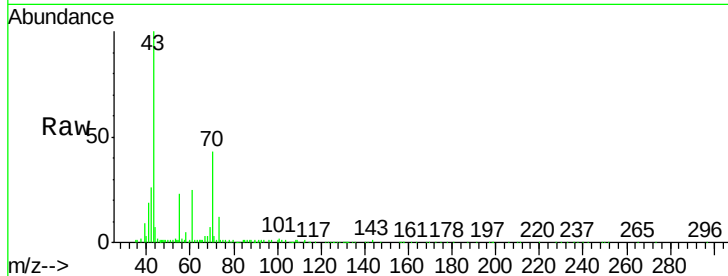
Ion Ratio Lower Upper

43 100

55 23.9 20.4 30.6

Manual Integrations
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#48

t-1,3-Dichloropropene

Concen: 4.133 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX015278.D

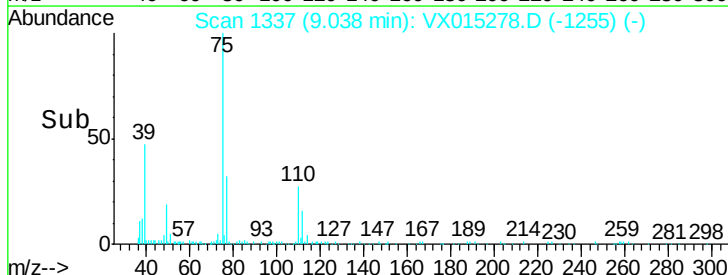
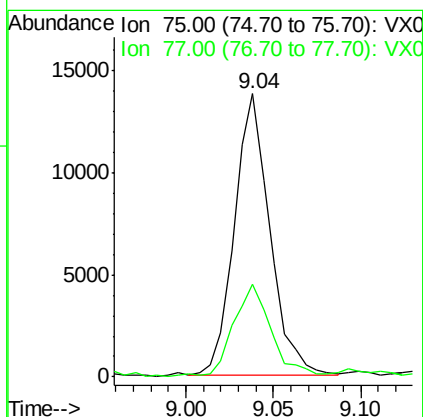
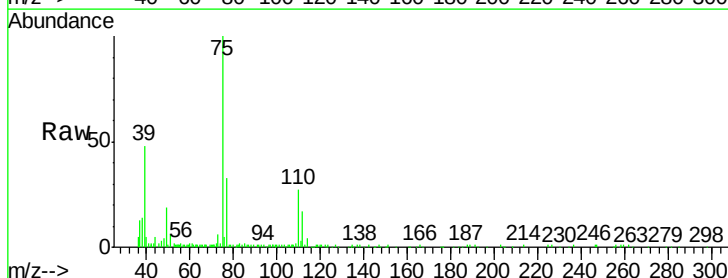
Acq: 13 Mar 2020 23:59

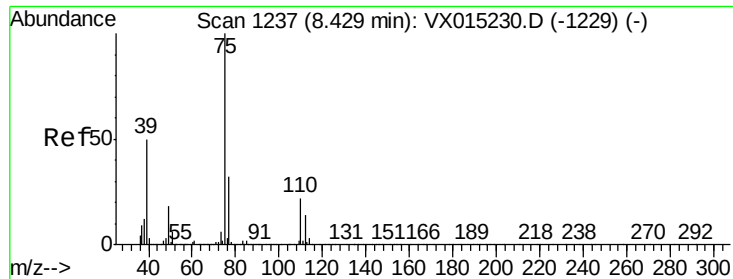
Tgt Ion: 75 Resp: 19388

Ion Ratio Lower Upper

75 100

77 31.8 25.1 37.7





#49

cis-1,3-Dichloropropene

Concen: 4.435 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Instrument :

MSVOA_X

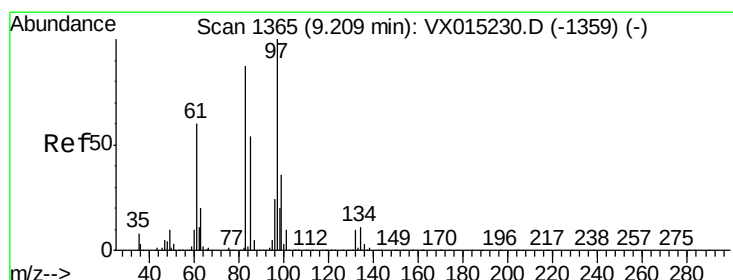
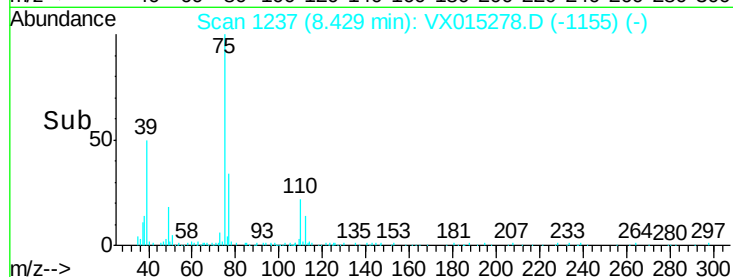
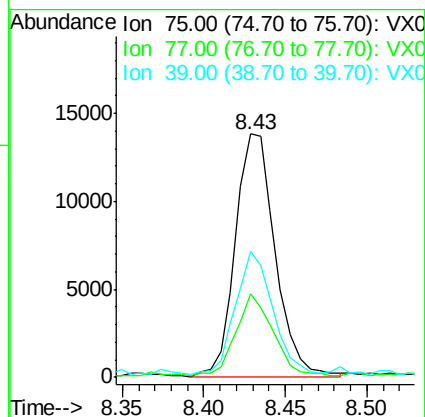
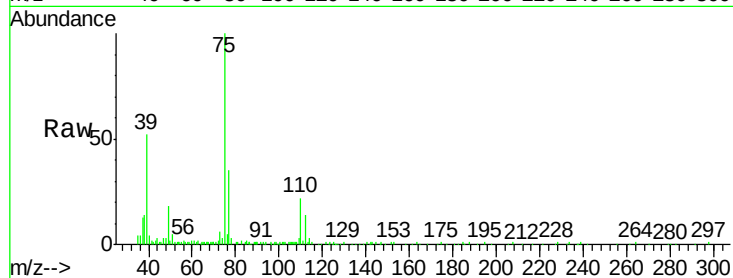
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	75	Resp:	23626
Ion Ratio	Lower	Upper	
75	100		
77	33.6	25.3	37.9
39	50.8	39.8	59.6

Manual Integrations
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3/16/2020 2:07:40 PM



#50

1,1,2-Trichloroethane

Concen: 5.150 ug/l

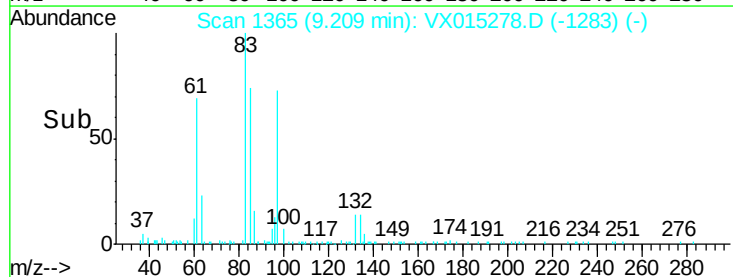
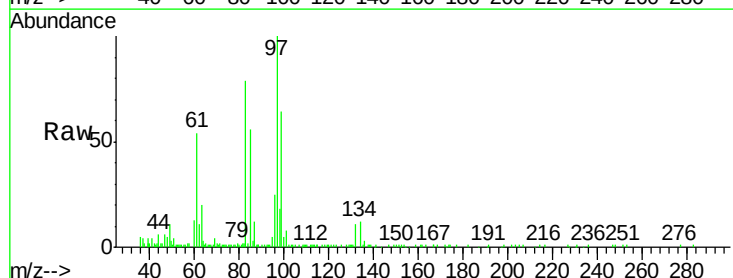
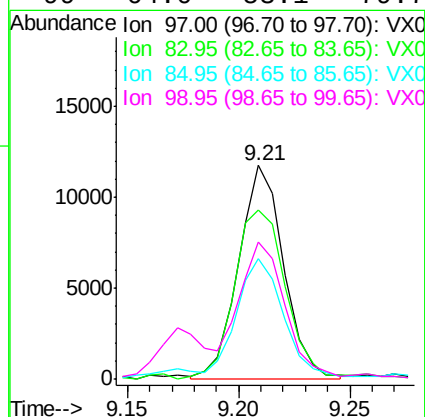
RT: 9.21 min Scan# 1365

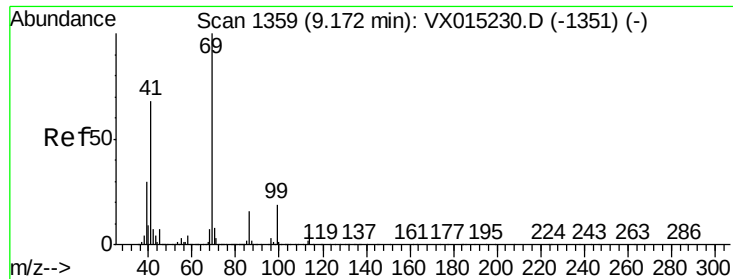
Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Tgt Ion:	97	Resp:	16611
Ion Ratio	Lower	Upper	
97	100		
83	79.3	69.7	104.5
85	56.0	45.4	68.0
99	64.0	53.1	79.7





#51

Ethyl methacrylate

Concen: 4.385 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Instrument :

MSVOA_X

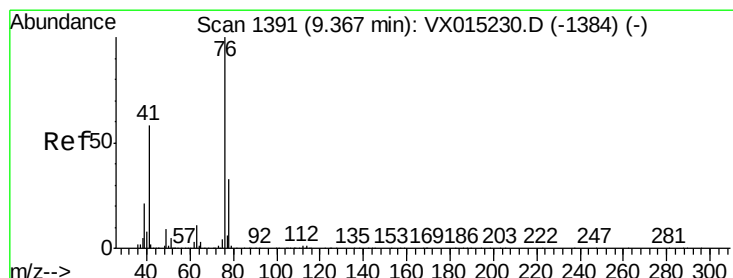
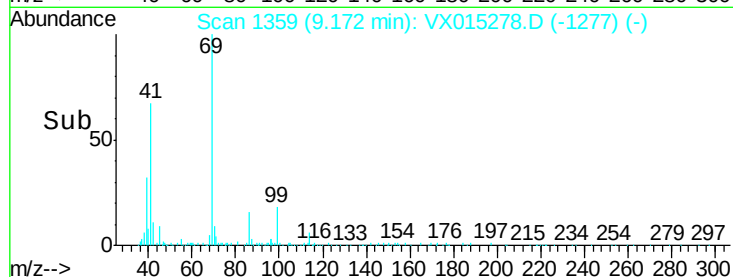
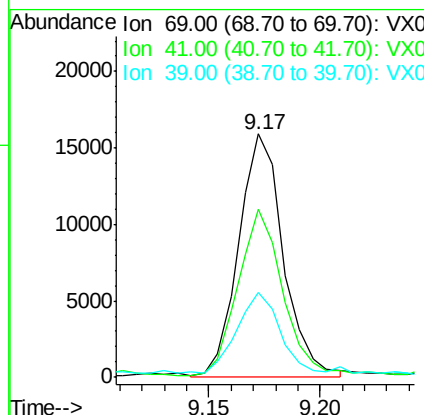
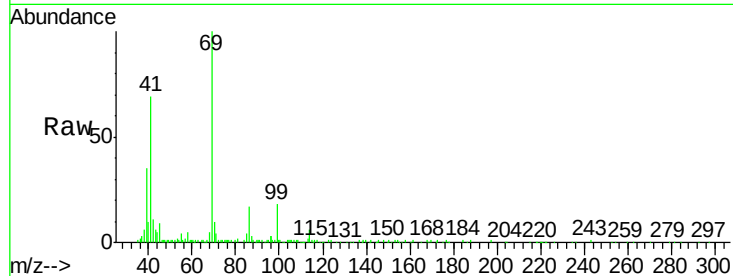
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	69	Resp:	22067
Ion	Ratio	Lower	Upper
69	100		
41	68.7	33.8	101.3
39	32.6	15.1	45.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 5.106 ug/l

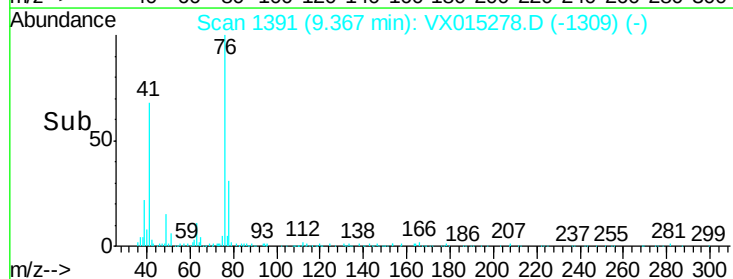
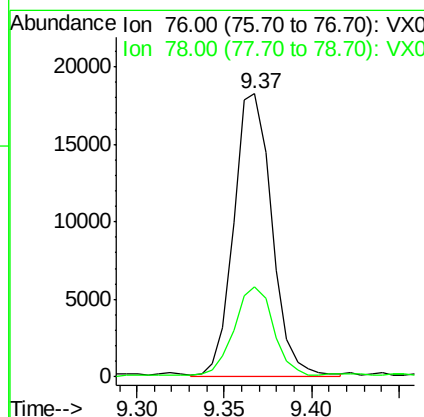
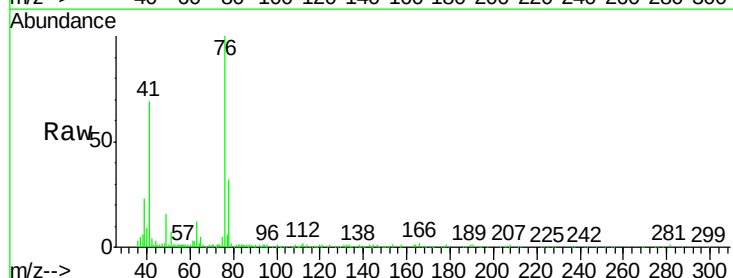
RT: 9.37 min Scan# 1391

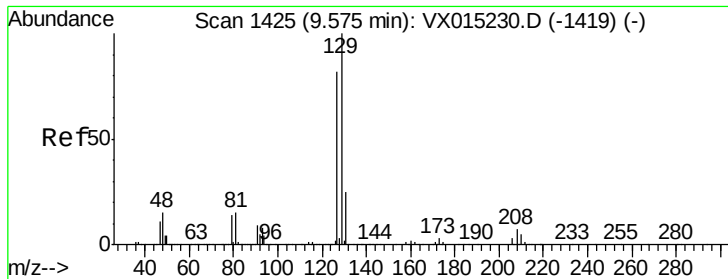
Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Tgt Ion:	76	Resp:	27874
Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	65.2





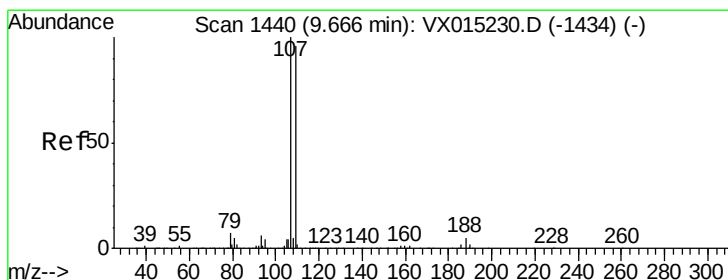
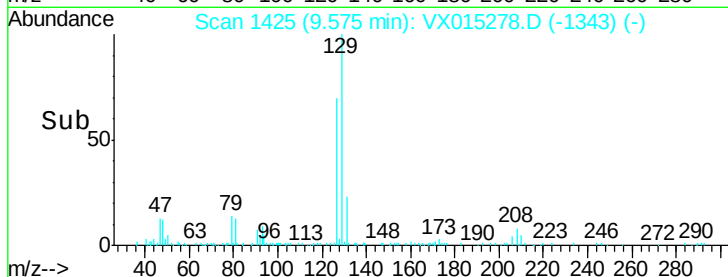
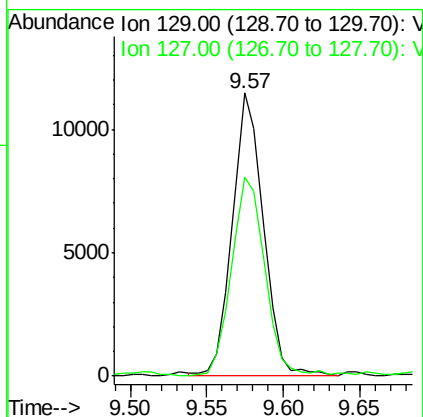
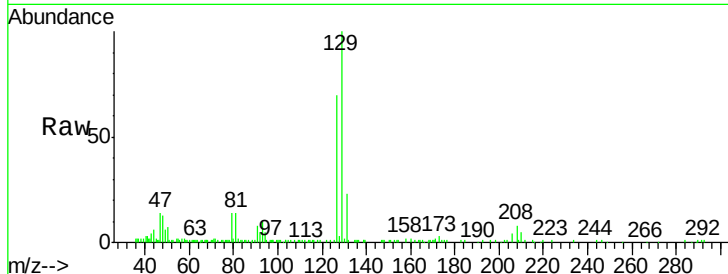
#53
Dibromochloromethane
Concen: 4.723 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
129	100		
127	74.7	40.4	121.1

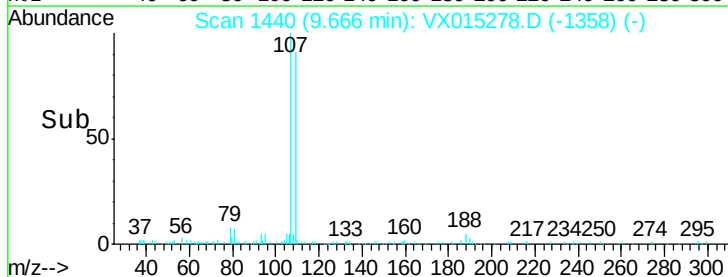
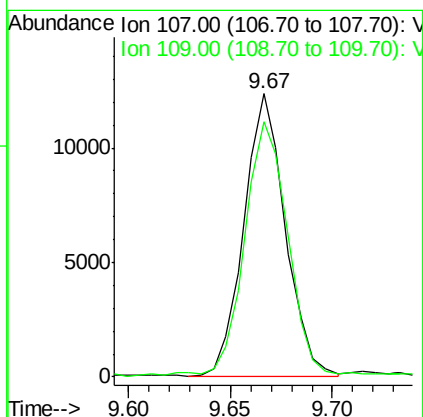
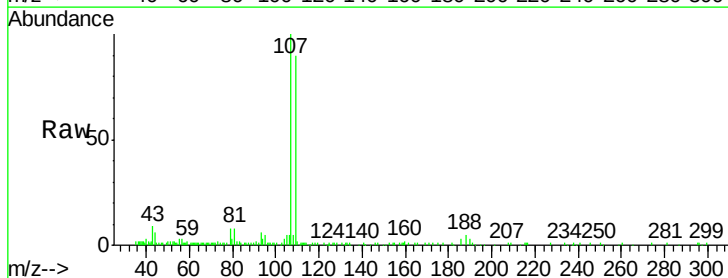
Manual Integrations
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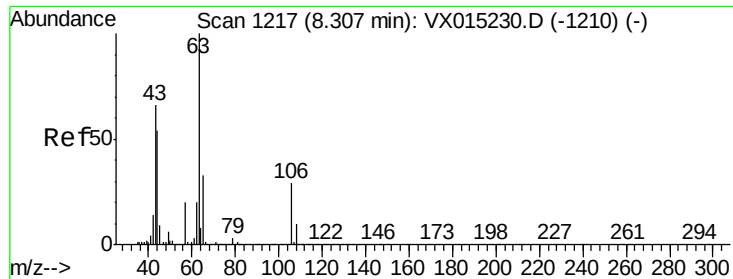
MMDadoda
3/16/2020 2:07:40 PM



#54
1,2-Dibromoethane
Concen: 5.275 ug/l
RT: 9.67 min Scan# 1440
Delta R.T. 0.00 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.9	75.0	112.4





#55

2-Chloroethyl vinyl ether

Concen: 22.797 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Instrument :

MSVOA_X

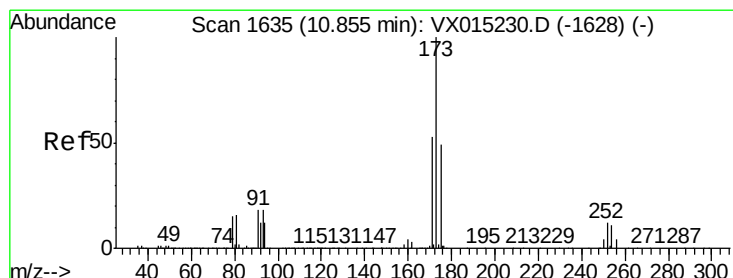
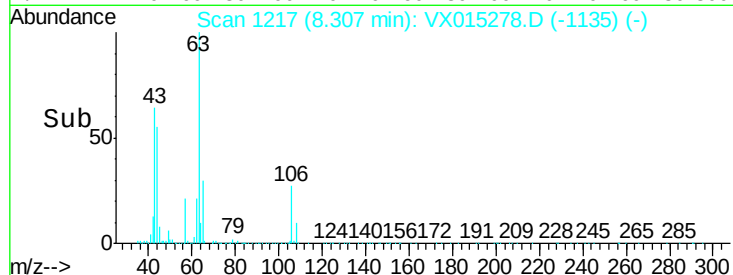
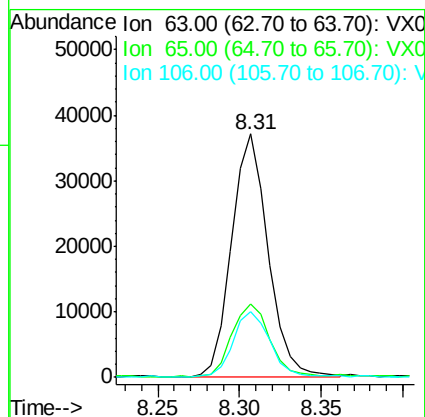
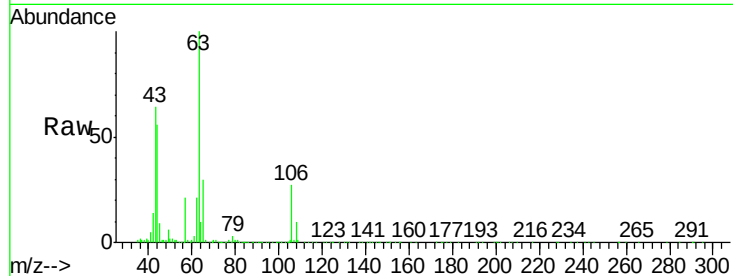
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	63	Resp:	57463
Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.6	38.4
106	28.2	23.0	34.4

Manual Integrations
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3/16/2020 2:07:40 PM



#56

Bromoform

Concen: 3.989 ug/l

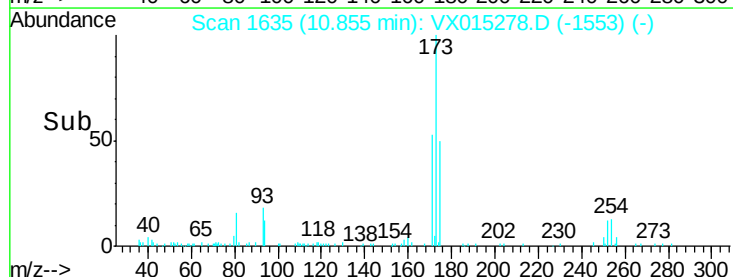
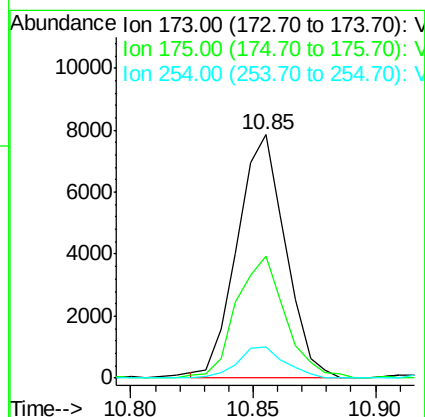
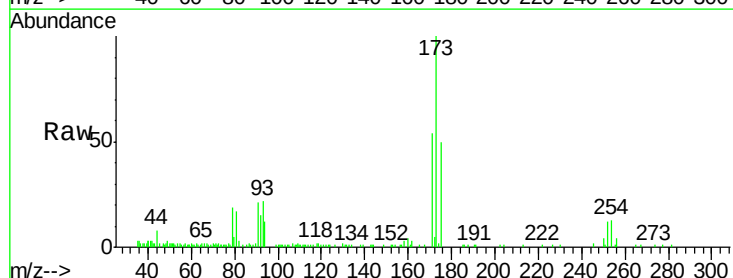
RT: 10.85 min Scan# 1635

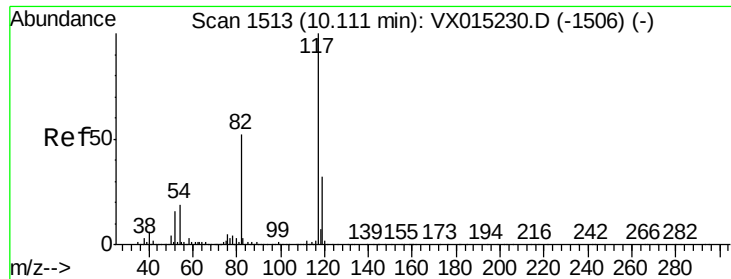
Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Tgt Ion:	173	Resp:	10744
Ion	Ratio	Lower	Upper
173	100		
175	51.2	38.9	58.3
254	12.5	9.1	13.7





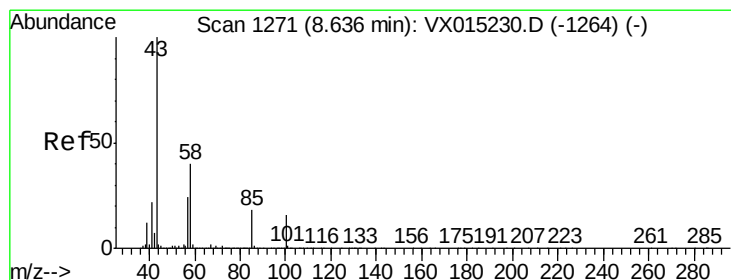
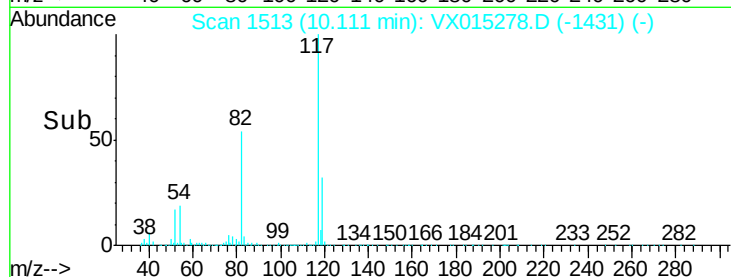
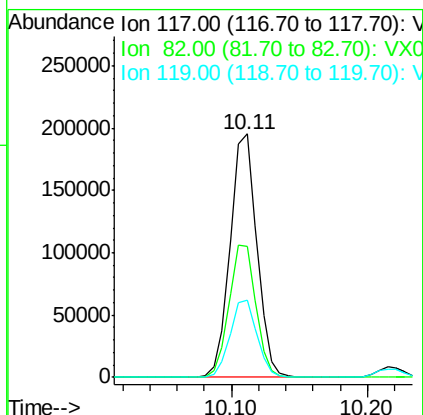
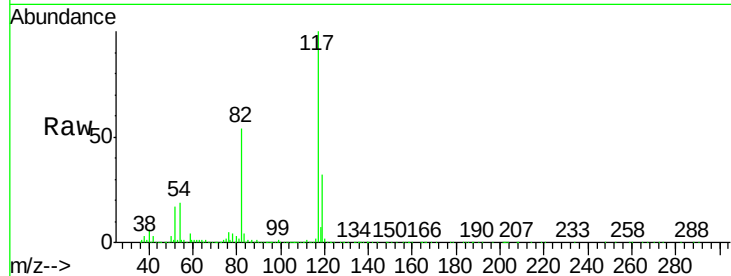
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.2	64.8
119	31.9	25.8	38.8

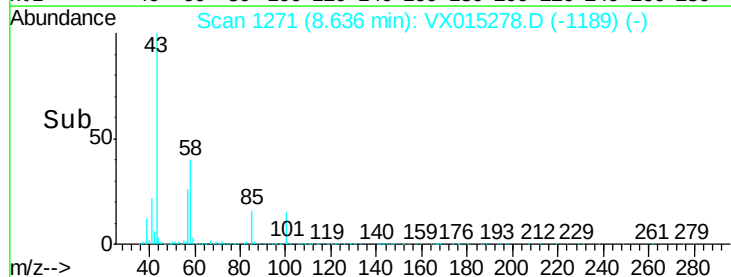
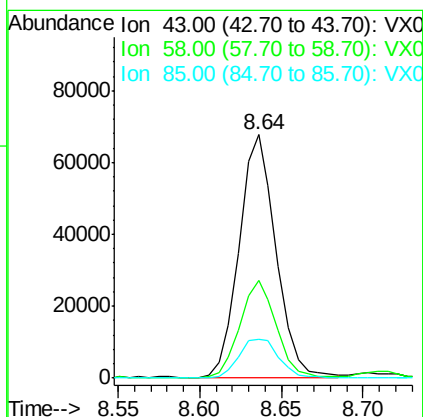
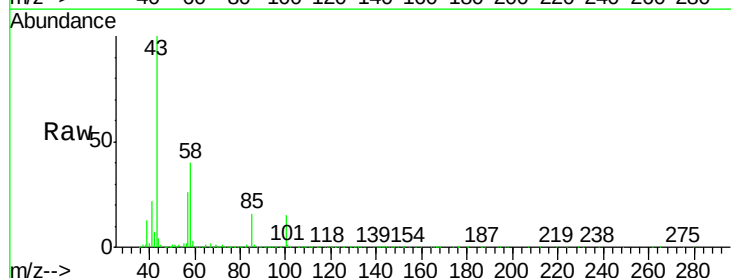
Manual Integrations
APPROVED

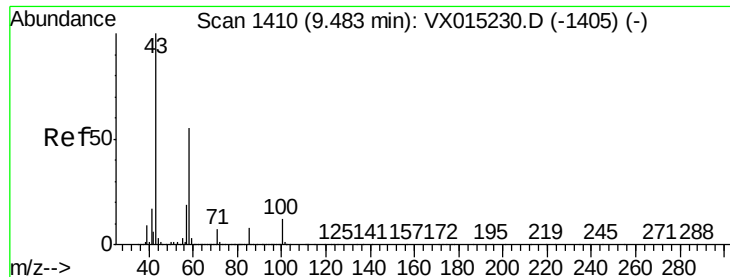
MMDadoda
3/16/2020 2:07:40 PM



#58
4-Methyl-2-Pentanone
Concen: 23.200 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.6	47.4
85	17.4	13.8	20.8





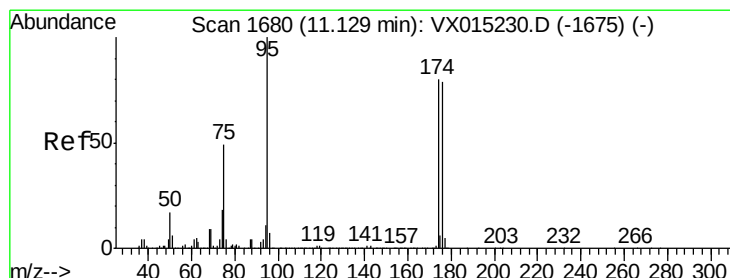
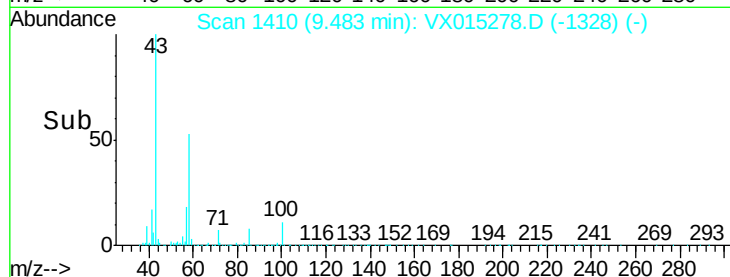
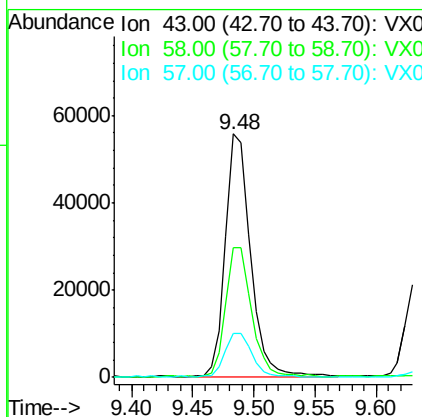
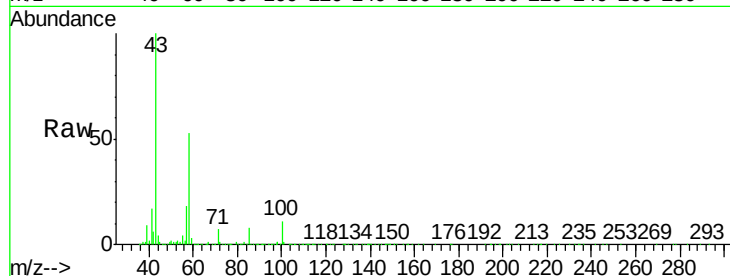
#59
2-Hexanone
Concen: 23.129 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.9	44.6	66.8
57	19.6	14.6	21.8

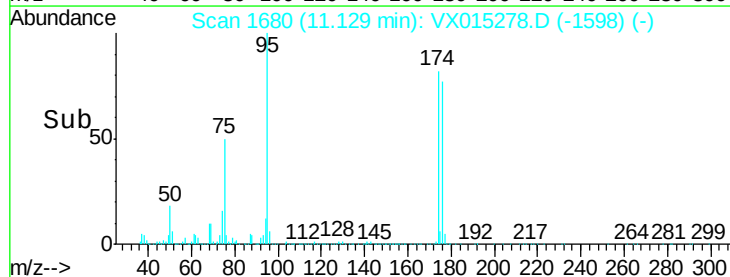
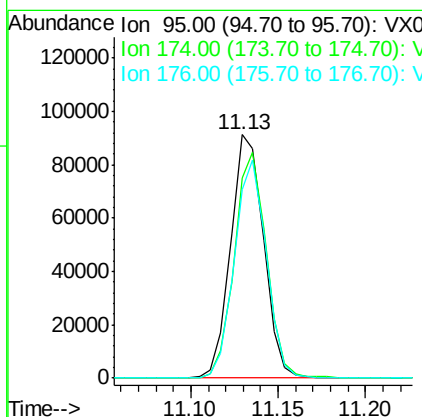
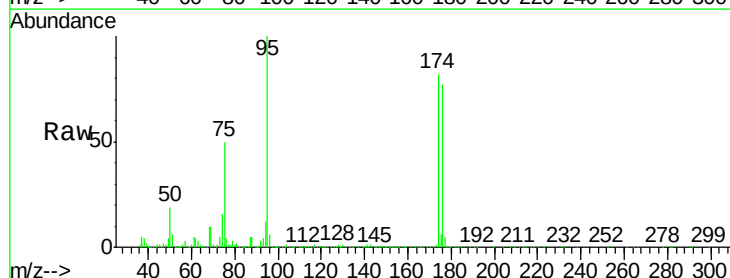
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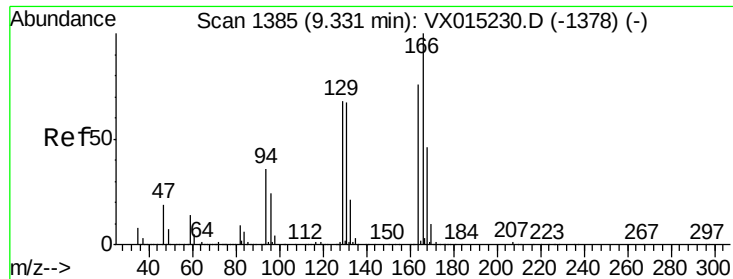
MMDadoda
3/16/2020 2:07:40 PM



#60
4-Bromofluorobenzene
Concen: 28.009 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.7	72.0	108.0
176	87.0	70.1	105.1





#61

Tetrachloroethene

Concen: 4.890 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Instrument :

MSVOA_X

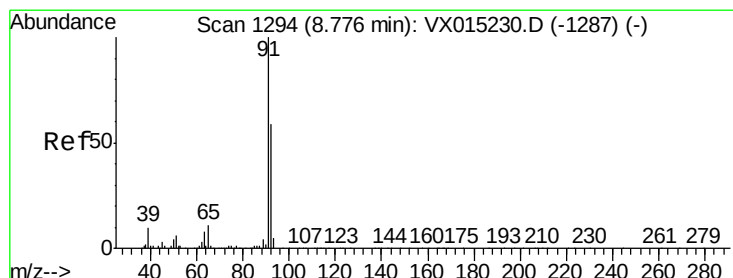
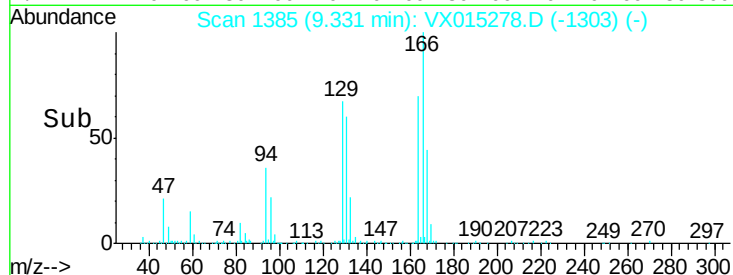
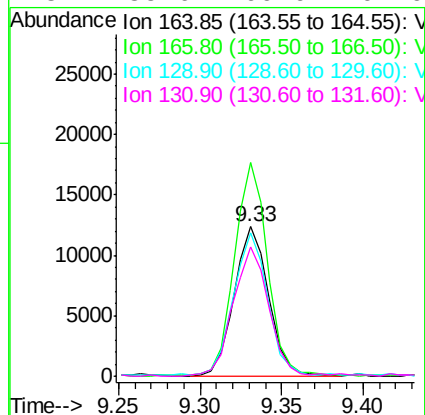
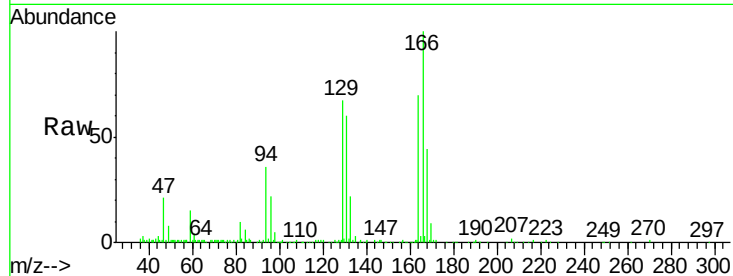
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	164	Resp:	18256
Ion	Ratio	Lower	Upper
164	100		
166	142.2	105.1	157.7
129	95.3	71.5	107.3
131	85.6	69.9	104.9

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3/16/2020 2:07:40 PM



#62

Toluene

Concen: 4.780 ug/l

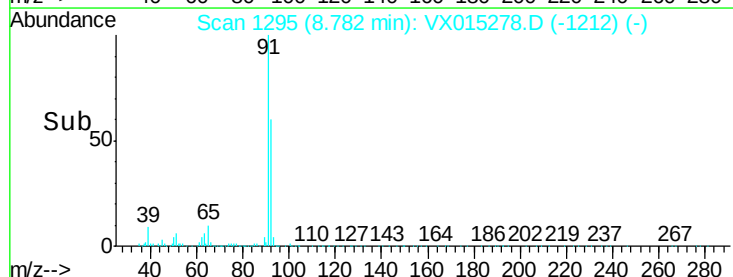
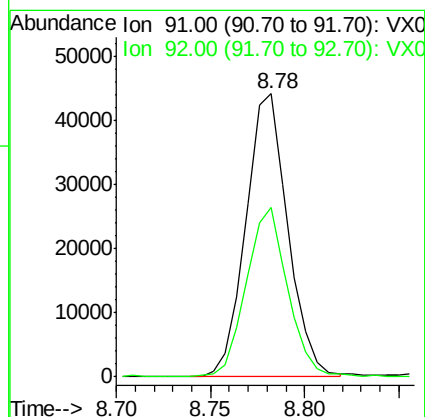
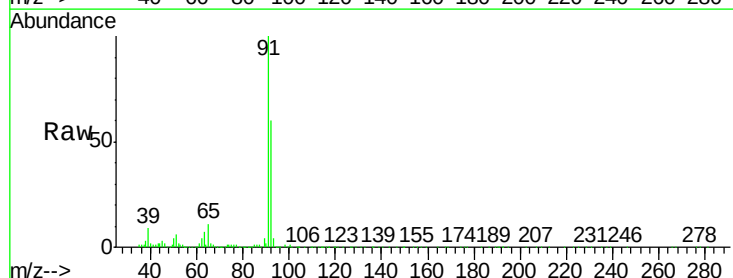
RT: 8.78 min Scan# 1295

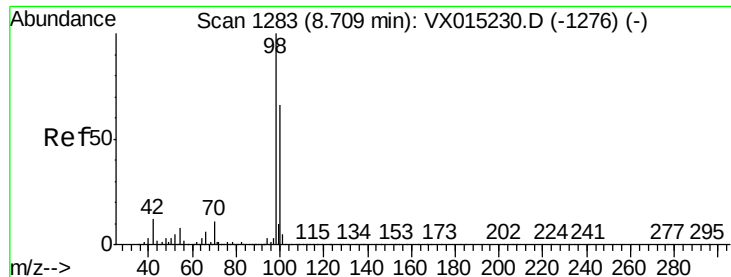
Delta R.T. 0.01 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Tgt Ion:	91	Resp:	67840
Ion	Ratio	Lower	Upper
91	100		
92	59.5	47.1	70.7





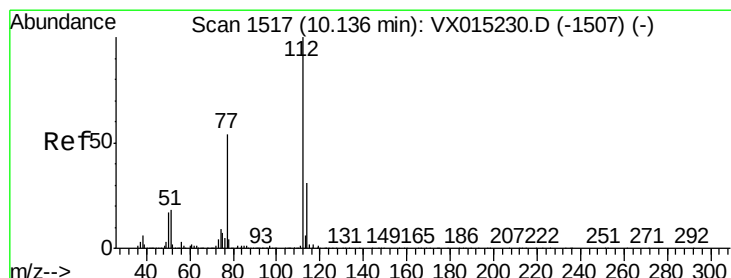
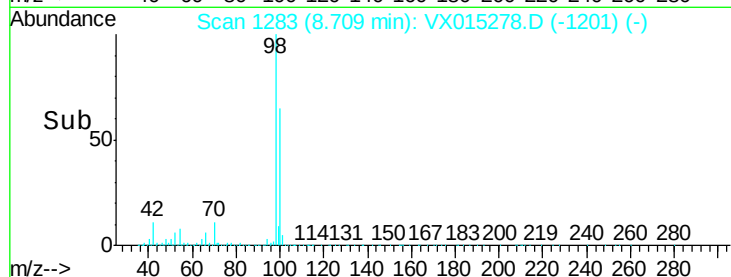
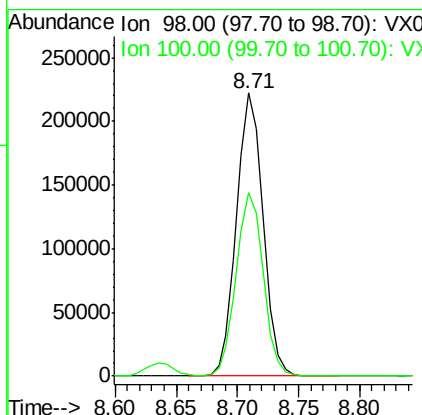
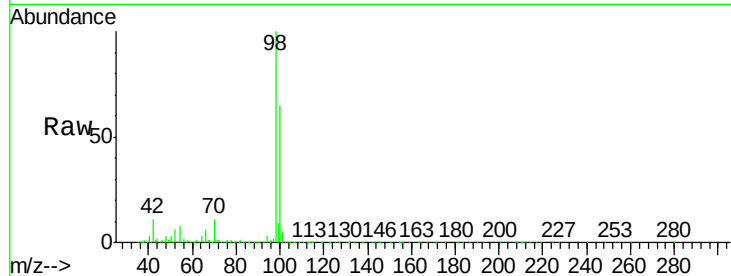
#63
Toluene-d8
Concen: 29.180 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion: 98 Resp: 335230
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.4

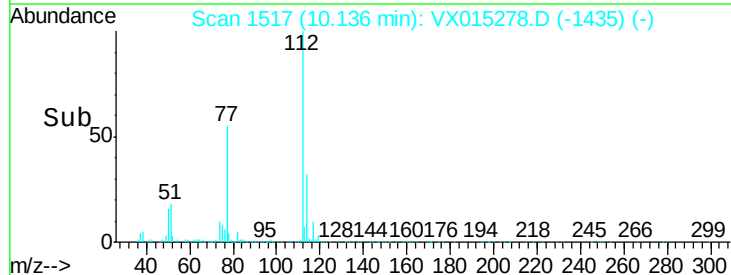
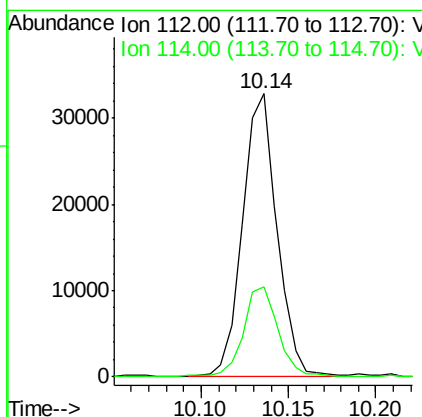
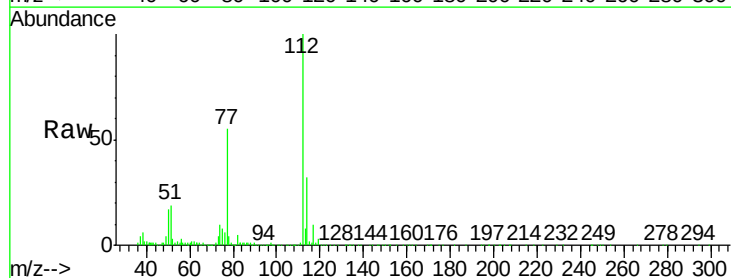
Manual Integrations
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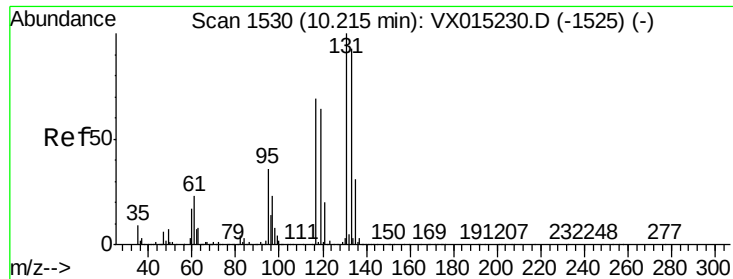
MMDadoda
3/16/2020 2:07:40 PM



#64
Chlorobenzene
Concen: 4.960 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Tgt Ion: 112 Resp: 44977
Ion Ratio Lower Upper
112 100
114 31.6 24.8 37.2





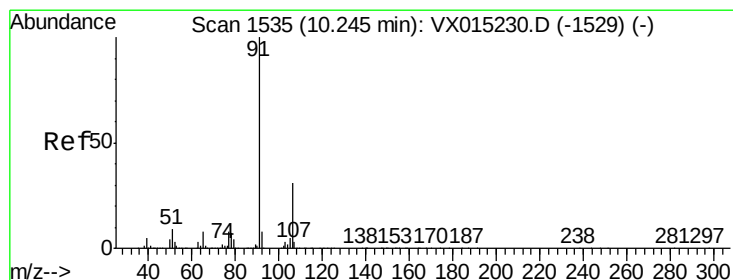
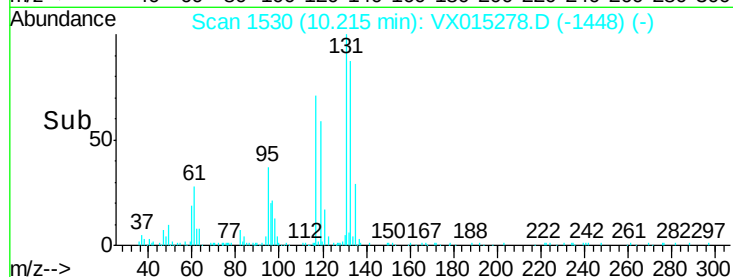
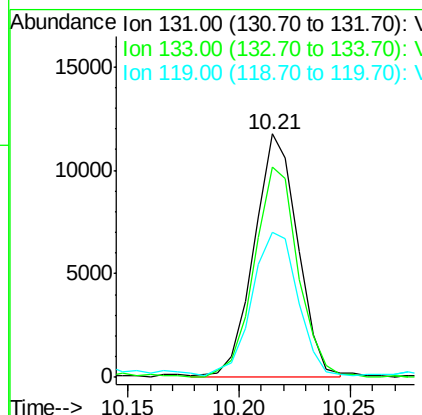
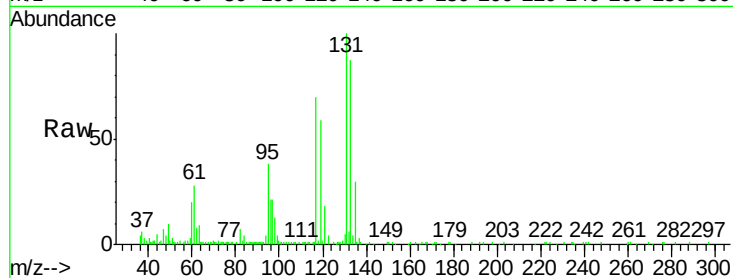
#65
 1,1,1,2-Tetrachloroethane
 Concen: 4.805 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VX015278.D
 Acq: 13 Mar 2020 23:59

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
131	100	16051		
133	87.1	0.0	188.0	
119	62.0	0.0	131.0	

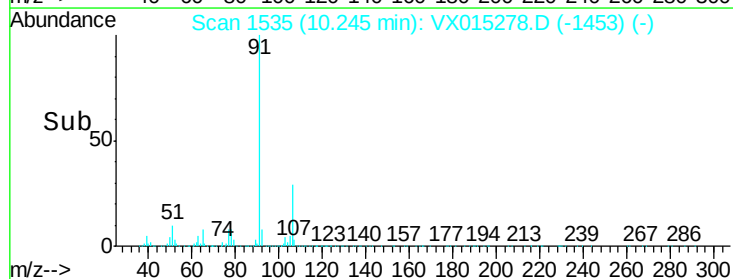
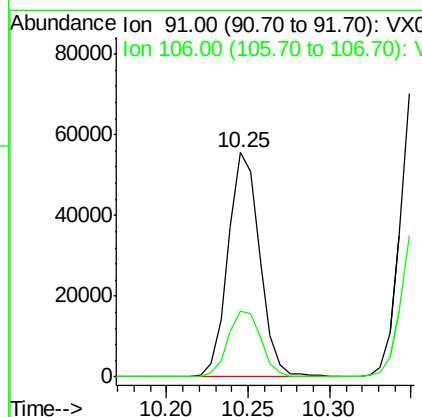
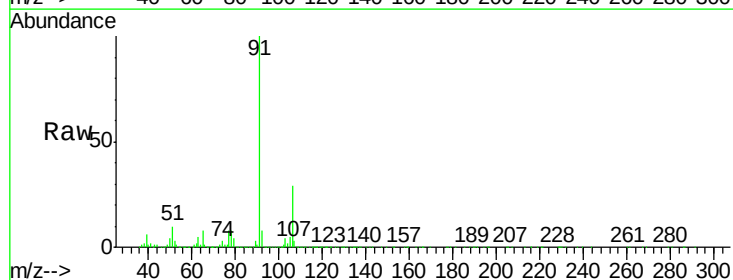
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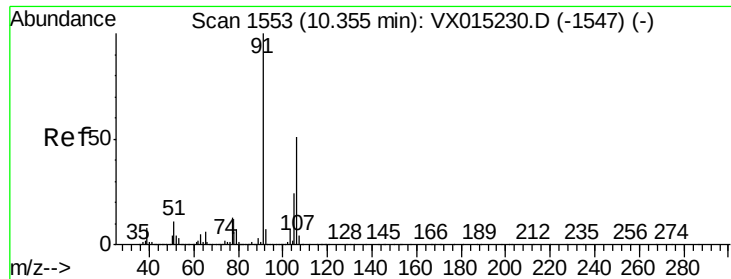
MMDadoda
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#66
 Ethyl Benzene
 Concen: 4.680 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX015278.D
 Acq: 13 Mar 2020 23:59

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	74000		
106	29.0	24.9	37.3	





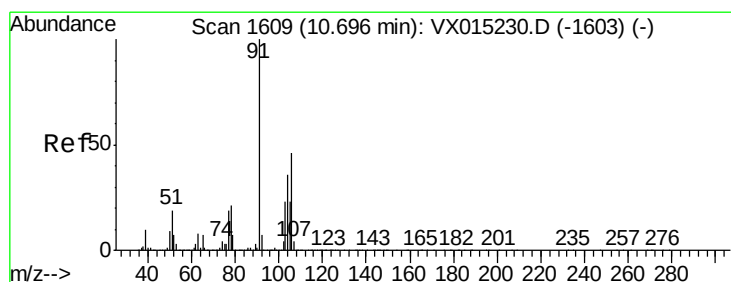
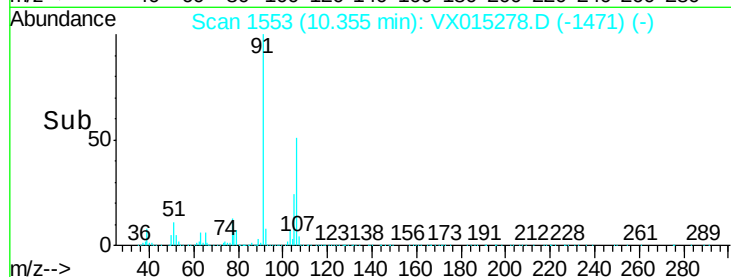
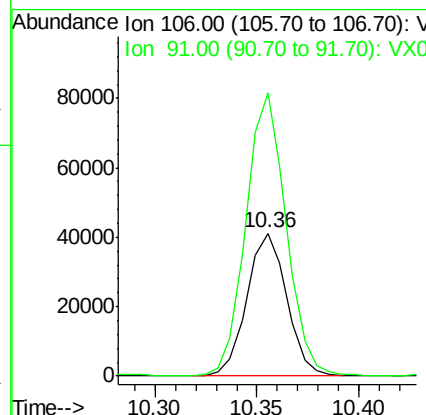
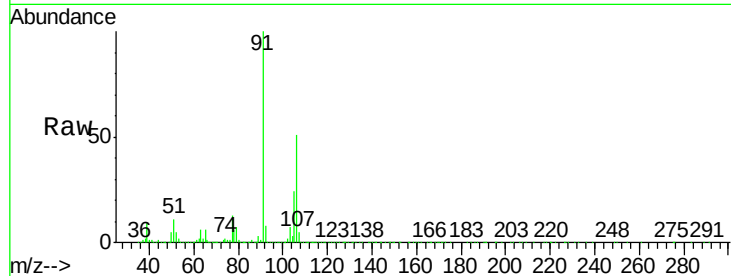
#67
m/p-Xylenes
Concen: 9.251 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion:106 Resp: 56146
Ion Ratio Lower Upper
106 100
91 198.8 160.1 240.1

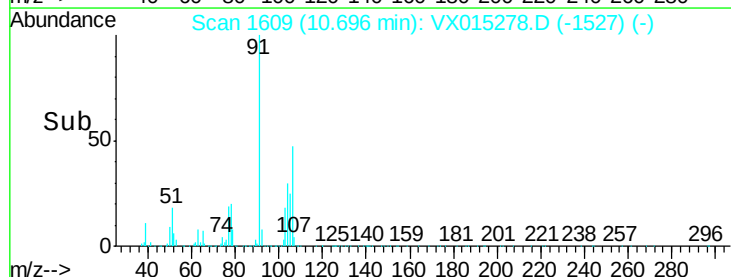
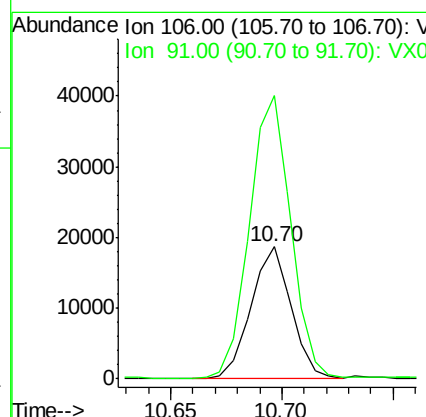
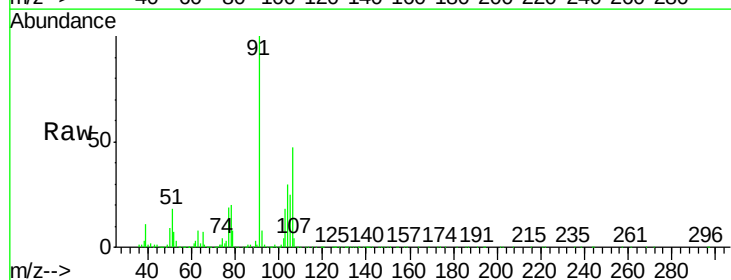
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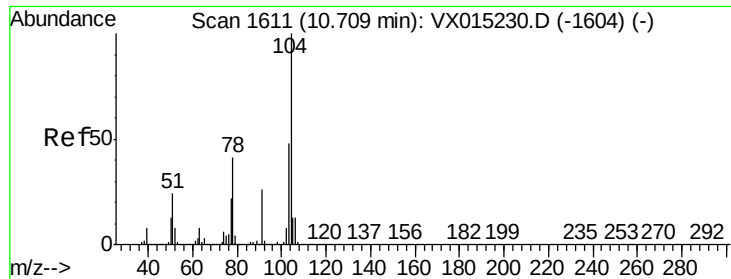
MMDadoda
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#68
o-Xylene
Concen: 4.007 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Tgt Ion:106 Resp: 23314
Ion Ratio Lower Upper
106 100
91 221.8 106.4 319.2





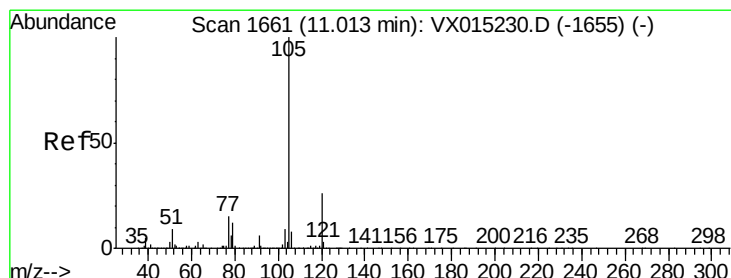
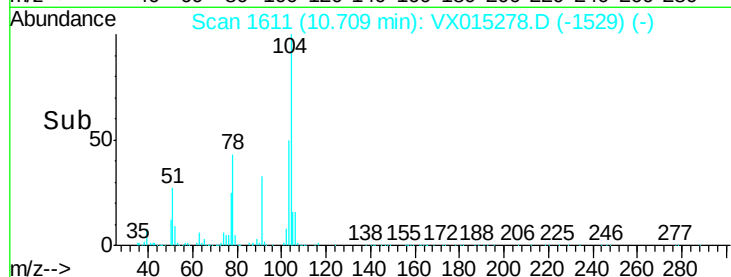
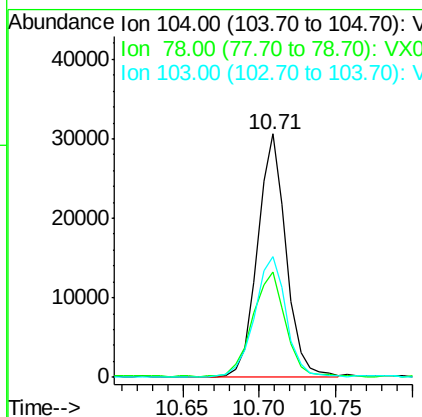
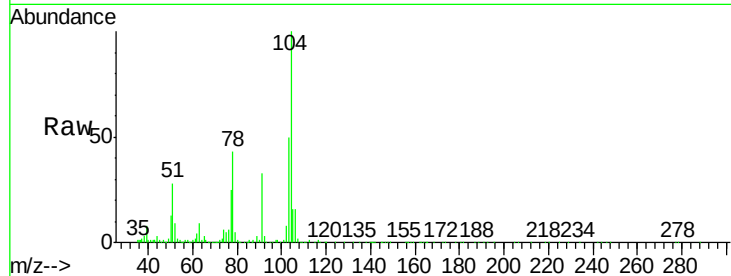
#69
Stvrene
Concen: 3.958 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.6	38.9	58.3
103	55.1	43.2	64.8

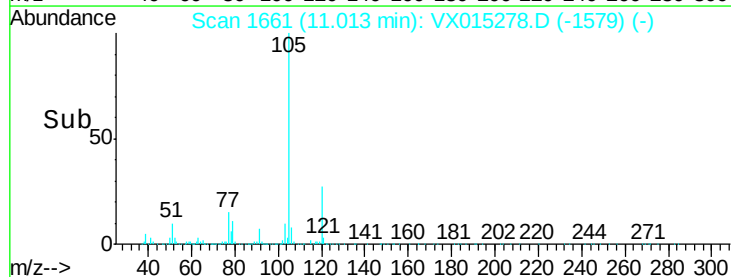
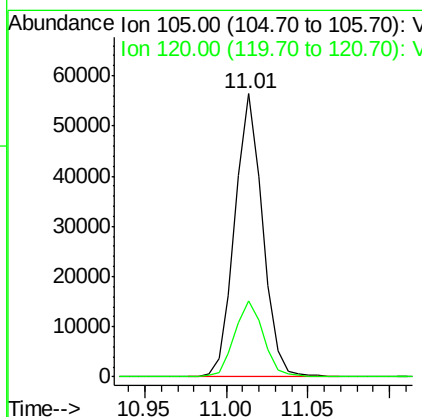
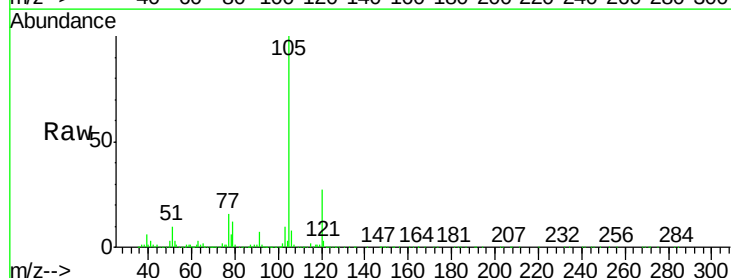
Manual Integrations
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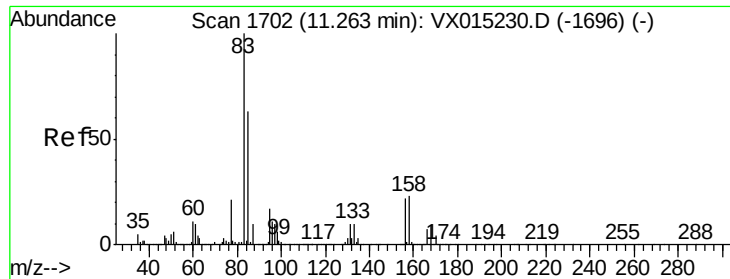
MMDadoda
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#70
Isopropylbenzene
Concen: 4.314 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.9	18.6	34.6





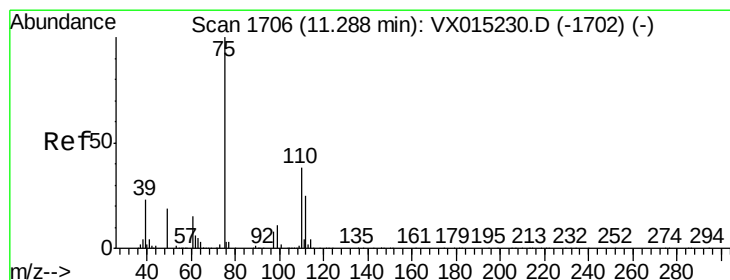
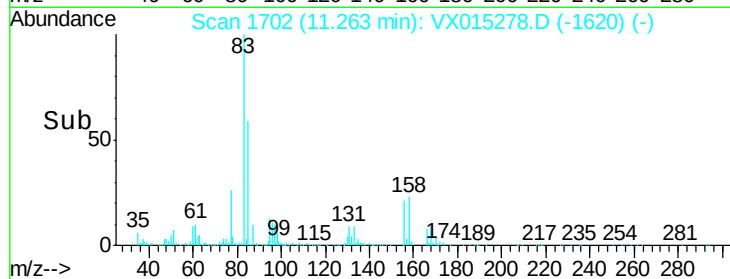
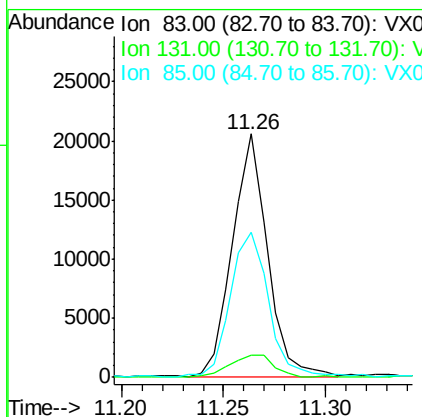
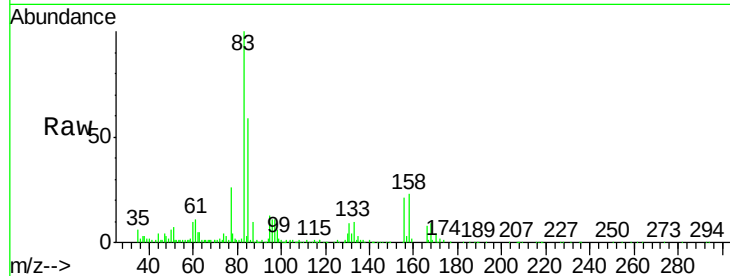
#71
 1,1,2,2-Tetrachloroethane
 Concen: 4.854 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX015278.D
 Acq: 13 Mar 2020 23:59

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.0	14.9
85	66.6	31.8	95.4

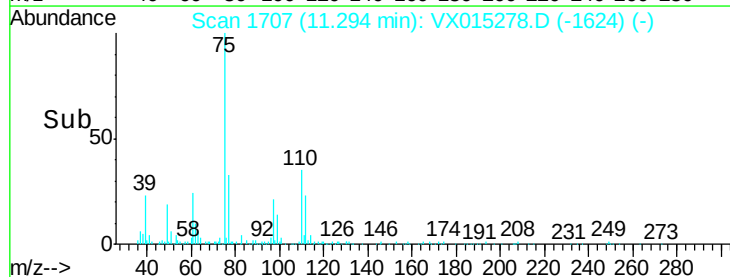
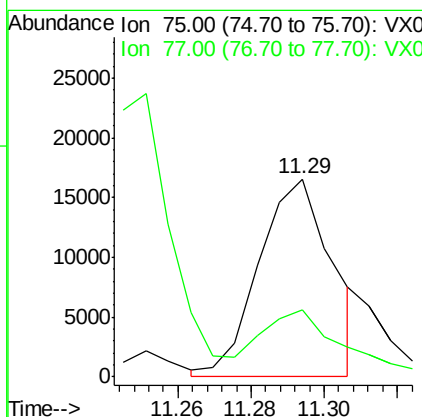
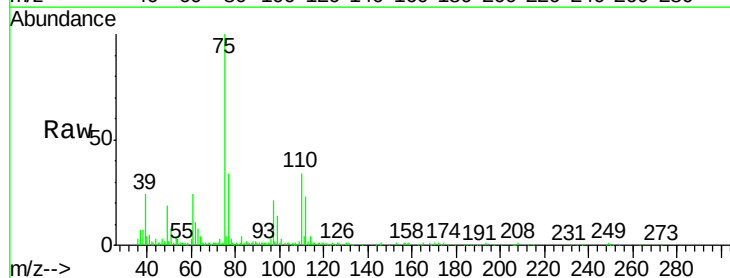
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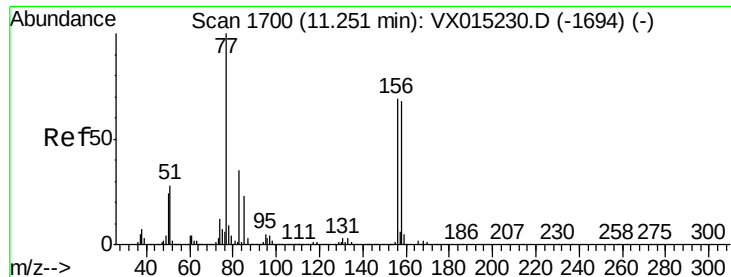
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 3/16/2020 2:07:40 PM



#72
 1,2,3-Trichloropropane
 Concen: 5.555 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.01 min
 Lab File: VX015278.D
 Acq: 13 Mar 2020 23:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	37.7	0.0	83.0





#73

Bromobenzene

Concen: 4.676 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Instrument :

MSVOA_X

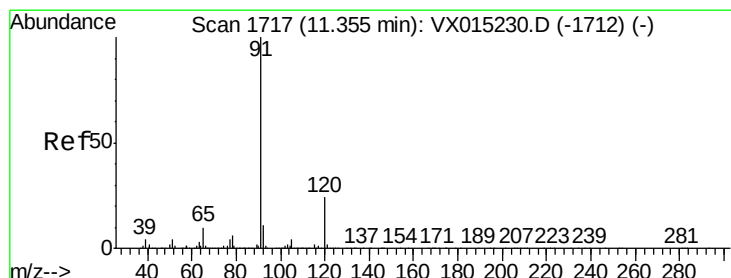
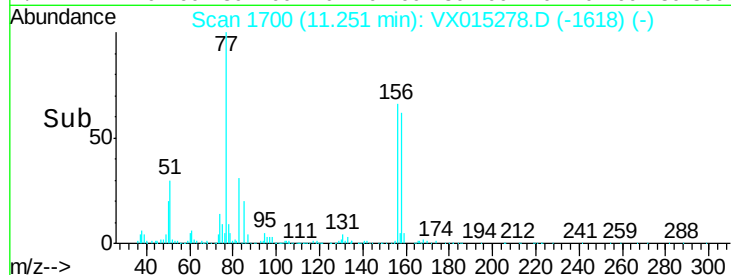
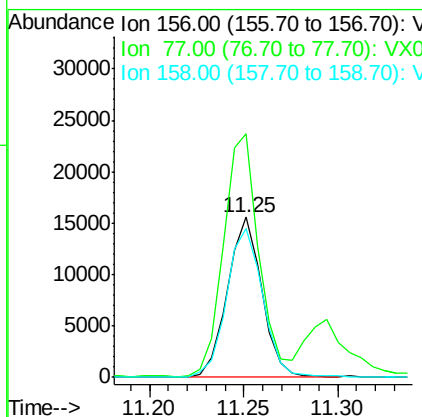
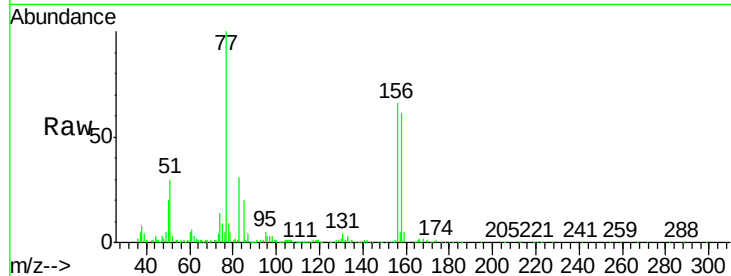
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	156	Resp:	19750
Ion Ratio	Lower	Upper	
156	100		
77	156.2	0.0	305.0
158	97.5	0.0	197.2

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3/16/2020 2:07:40 PM



#74

n-propylbenzene

Concen: 4.530 ug/l

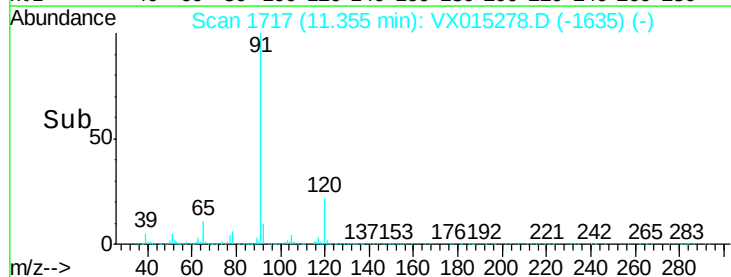
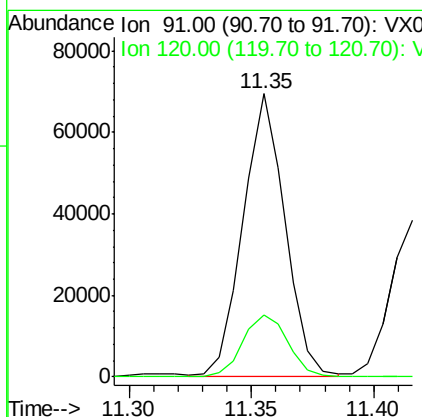
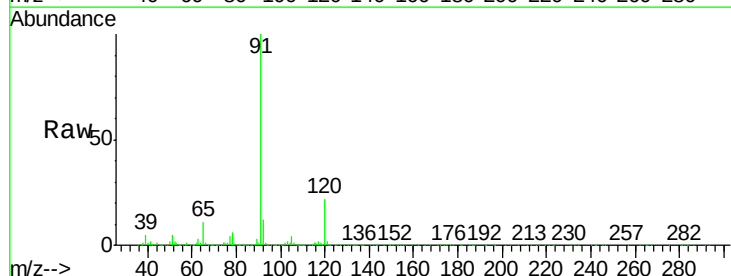
RT: 11.35 min Scan# 1717

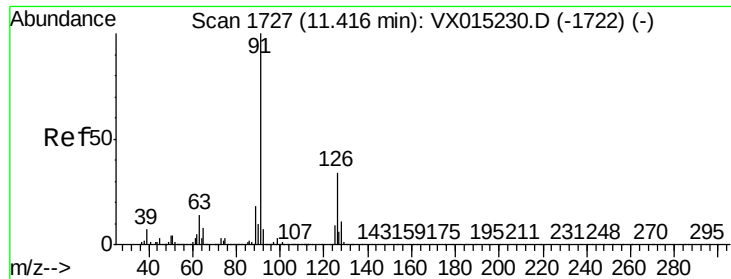
Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Tgt Ion:	91	Resp:	82883
Ion Ratio	Lower	Upper	
91	100		
120	23.2	0.0	47.0





#75

2-Chlorotoluene

Concen: 4.617 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 91 Resp: 49323

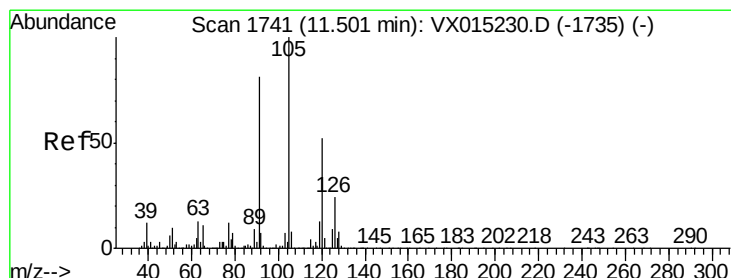
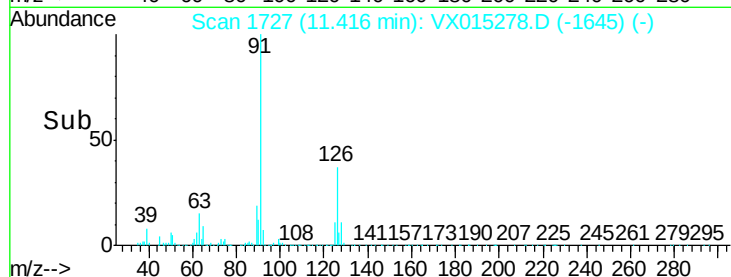
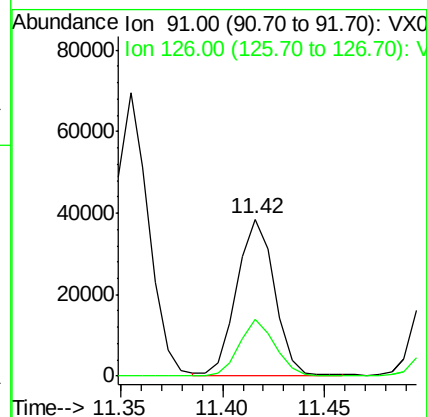
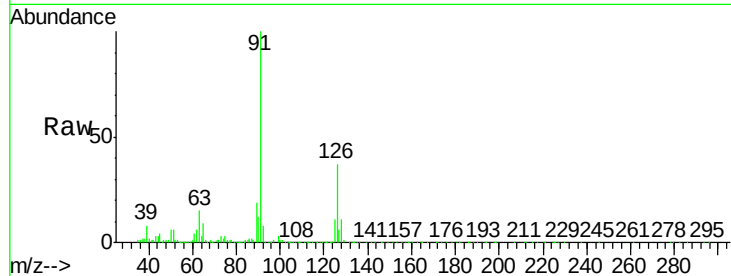
Ion Ratio Lower Upper

91 100

126 34.4 0.0 69.8

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#76

1,3,5-Trimethylbenzene

Concen: 4.460 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX015278.D

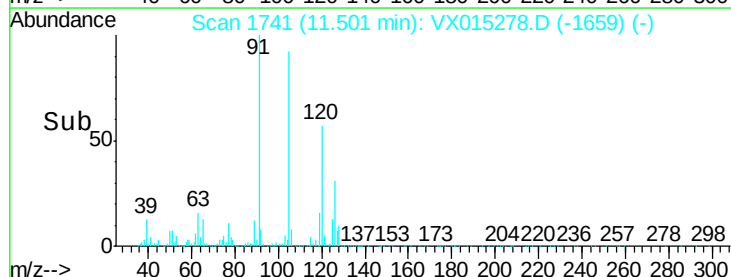
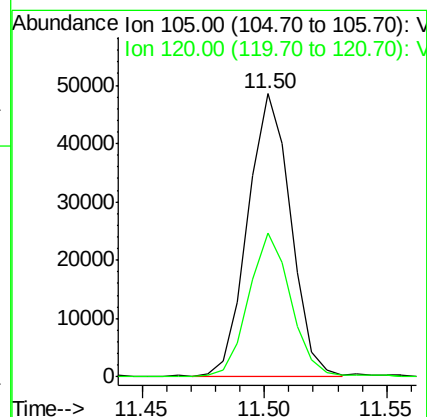
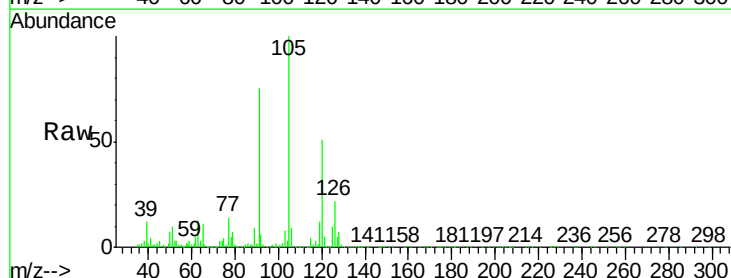
Acq: 13 Mar 2020 23:59

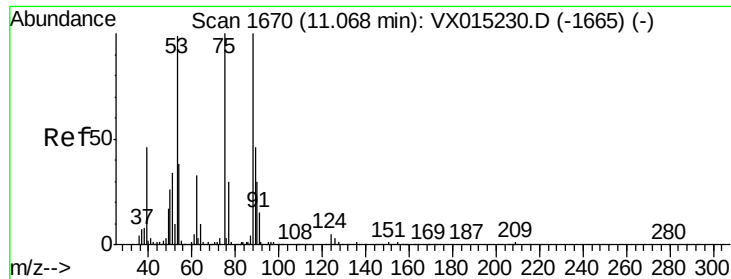
Tgt Ion: 105 Resp: 58968

Ion Ratio Lower Upper

105 100

120 50.2 0.0 101.2





#77

t-1,4-Dichloro-2-butene

Concen: 3.297 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Instrument :

MSVOA_X

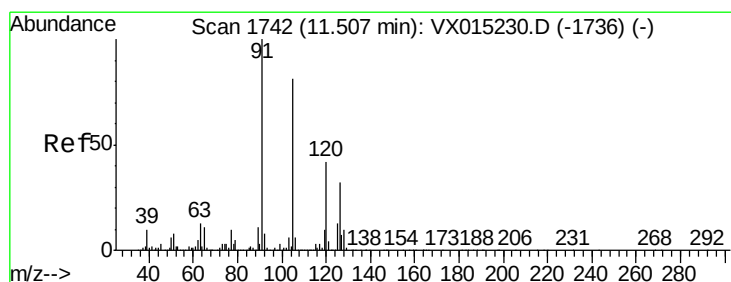
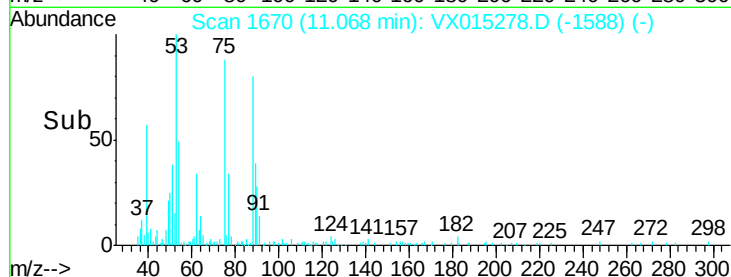
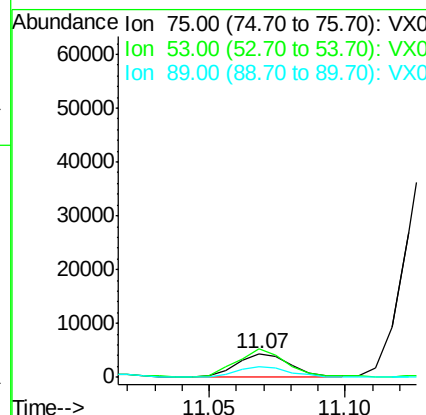
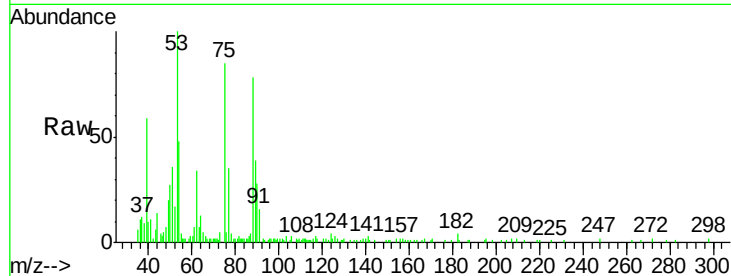
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	75	Resp:	5683
Ion	Ratio	Lower	Upper
75	100		
53	116.1	49.5	148.3
89	43.8	22.9	68.8

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#78

4-Chlorotoluene

Concen: 4.678 ug/l

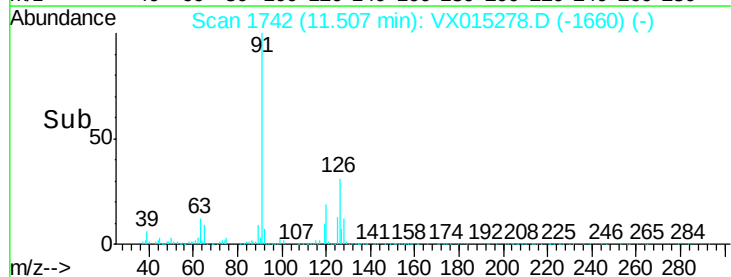
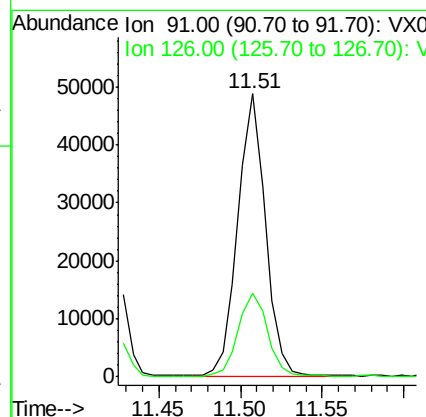
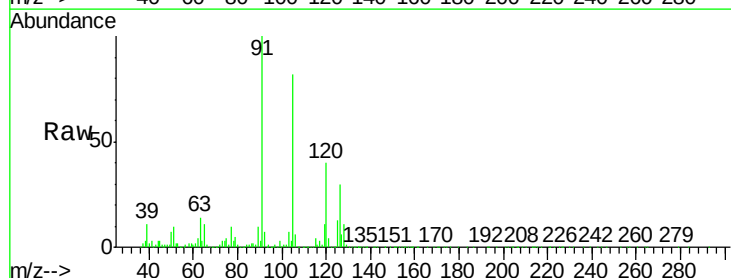
RT: 11.51 min Scan# 1742

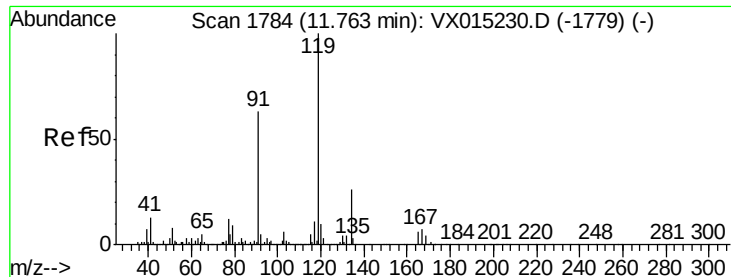
Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Tgt Ion:	91	Resp:	57530
Ion	Ratio	Lower	Upper
91	100		
126	31.7	0.0	61.4





#79

tert-butylbenzene

Concen: 4.502 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Instrument :

MSVOA_X

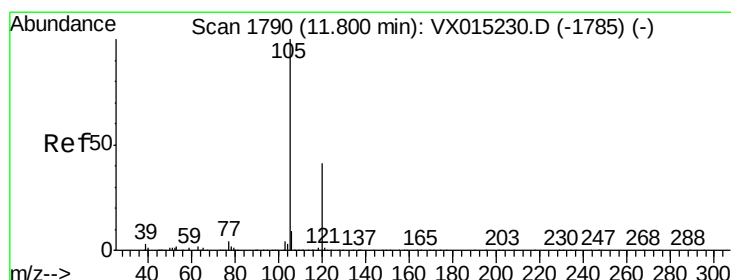
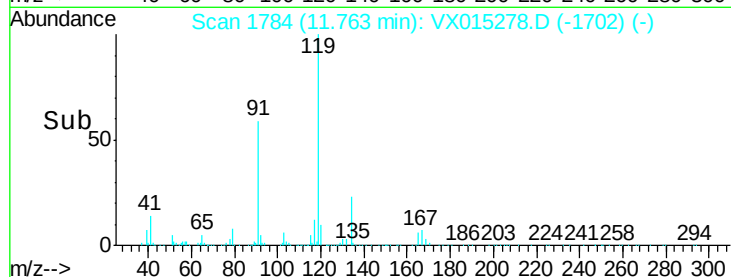
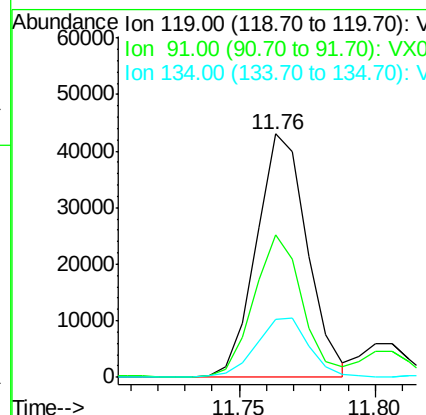
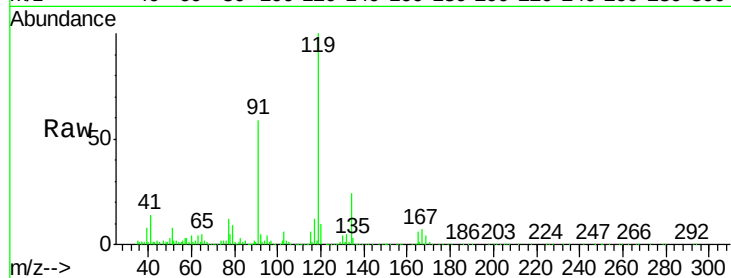
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	119	Resp:	55798
Ion Ratio	Lower	Upper	
119	100		
91	55.5	0.0	115.4
134	25.7	0.0	49.4

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#80

1,2,4-Trimethylbenzene

Concen: 4.443 ug/l

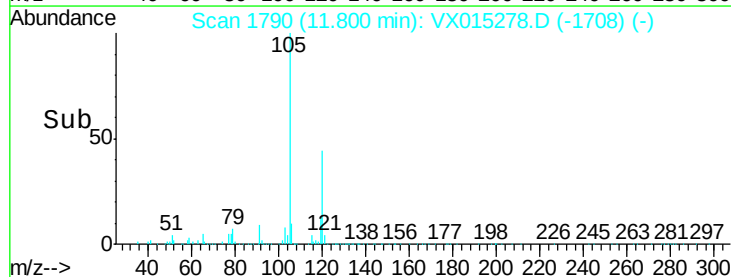
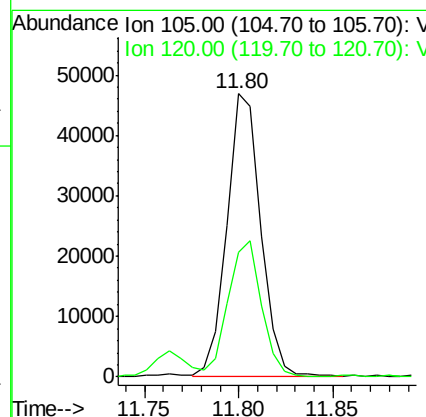
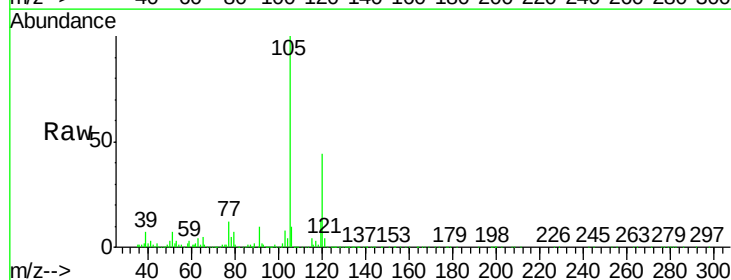
RT: 11.80 min Scan# 1790

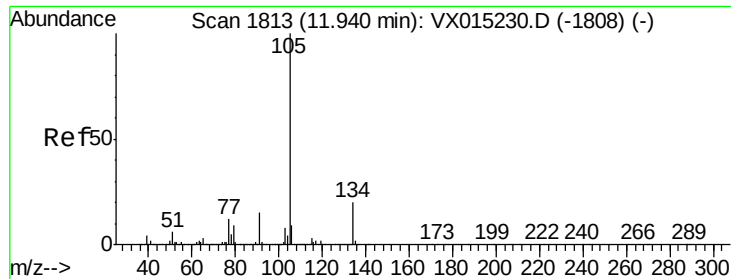
Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Tgt Ion:	105	Resp:	58071
Ion Ratio	Lower	Upper	
105	100		
120	47.3	0.0	93.2





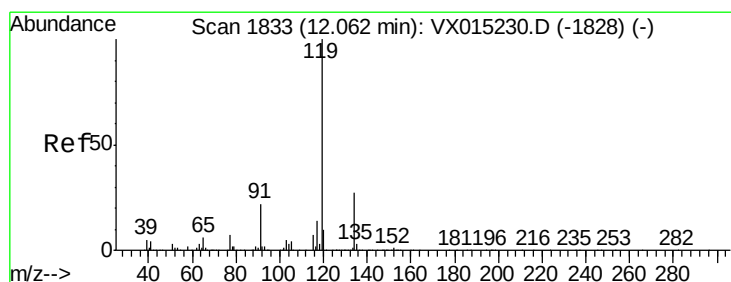
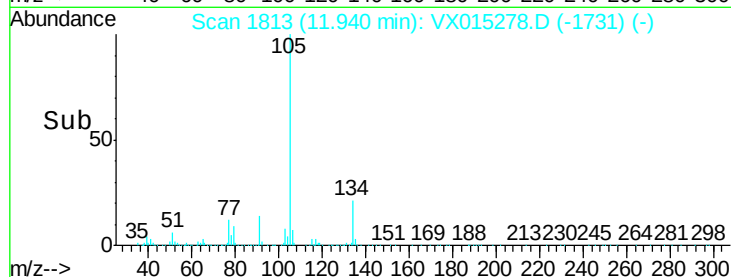
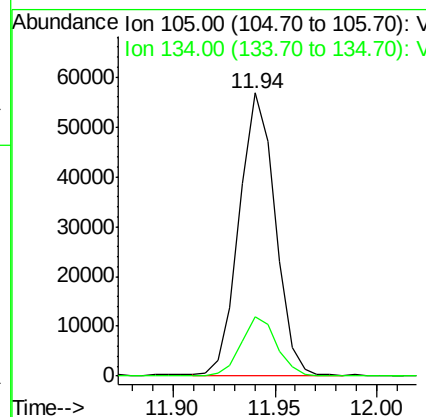
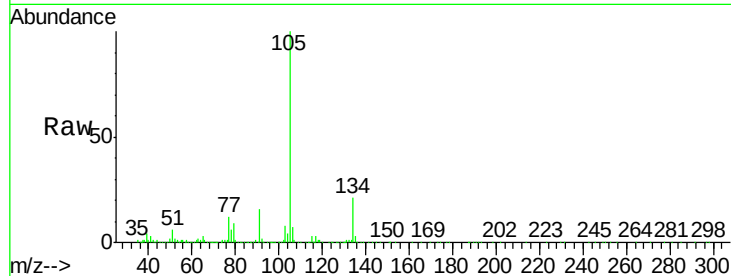
#81
 sec-Butylbenzene
 Concen: 4.491 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX015278.D
 Acq: 13 Mar 2020 23:59

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.3	0.0	40.8

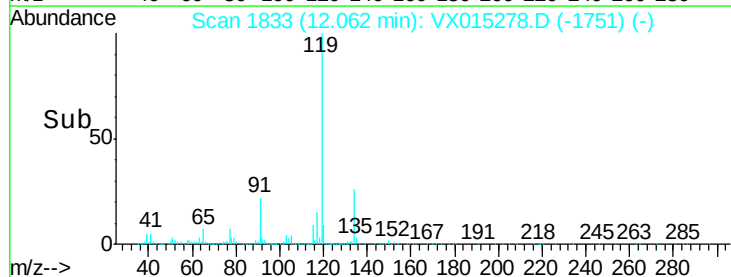
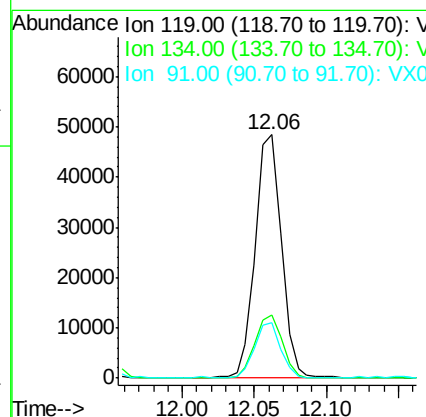
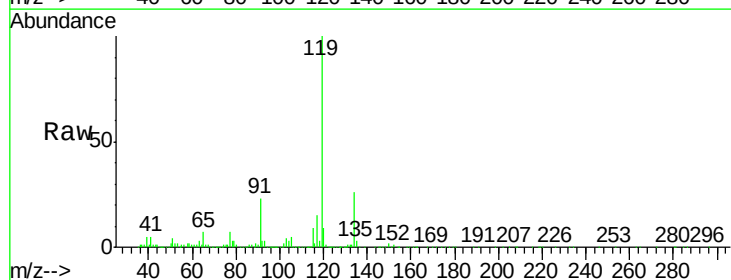
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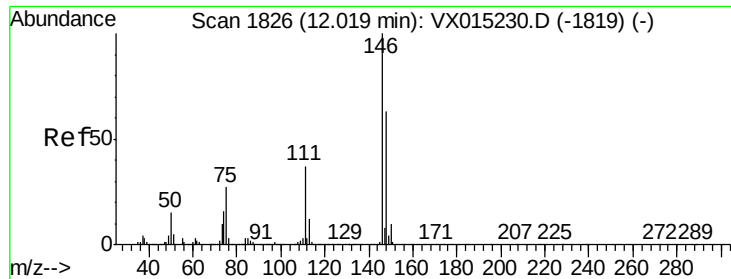
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#82
 p-Isopropyltoluene
 Concen: 4.319 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX015278.D
 Acq: 13 Mar 2020 23:59

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	0.0	53.6
91	22.9	0.0	43.6





#83

1,3-Dichlorobenzene

Concen: 4.723 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Instrument :

MSVOA_X

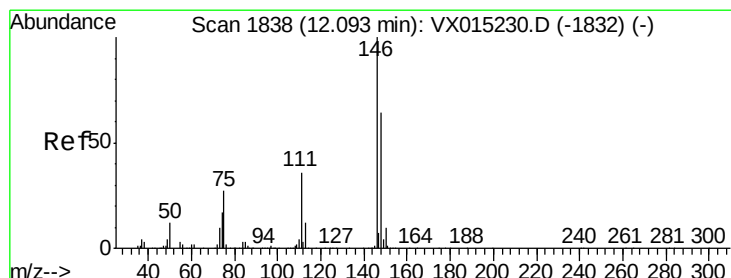
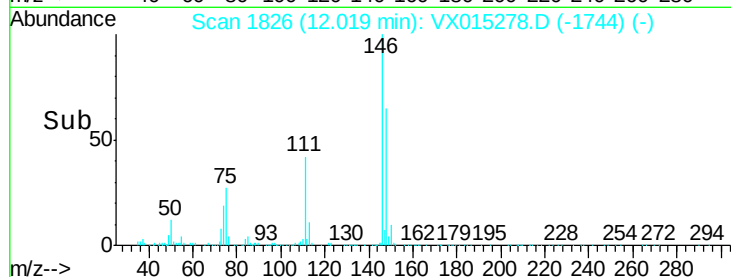
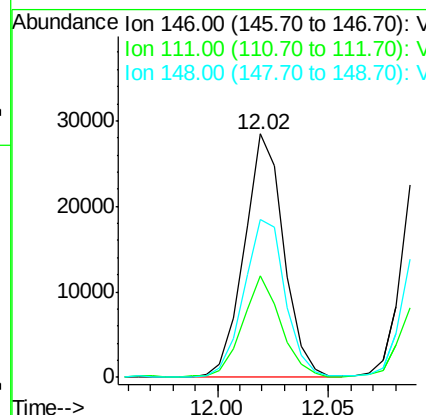
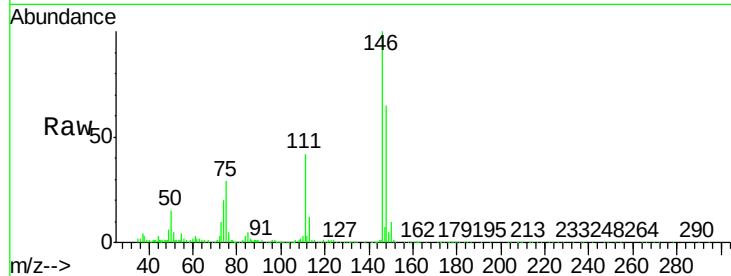
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	146	Resp:	35250
Ion	Ratio	Lower	Upper
146	100		
111	40.5	18.8	56.4
148	67.5	31.9	95.7

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#84

1,4-Dichlorobenzene

Concen: 4.970 ug/l

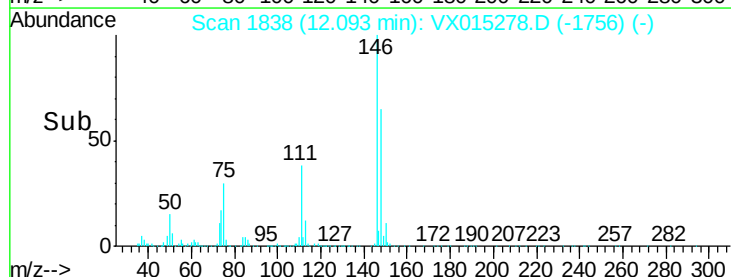
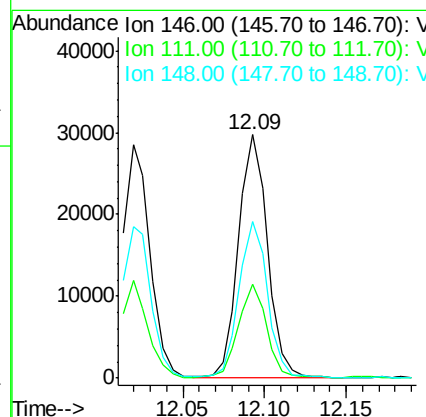
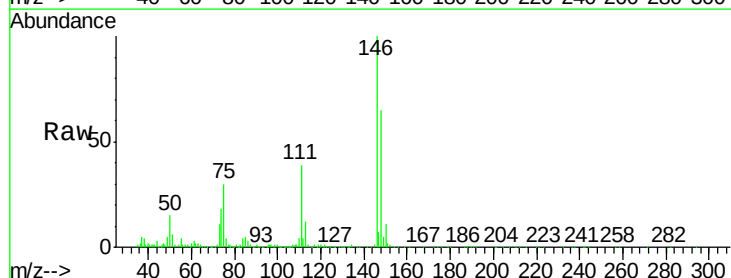
RT: 12.09 min Scan# 1838

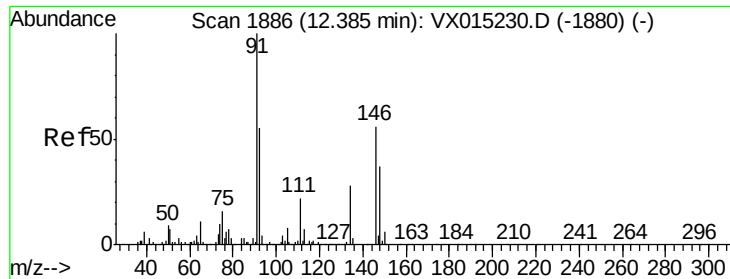
Delta R.T. 0.00 min

Lab File: VX015278.D

Acq: 13 Mar 2020 23:59

Tgt Ion:	146	Resp:	37099
Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.4	55.0
148	61.4	31.9	95.9





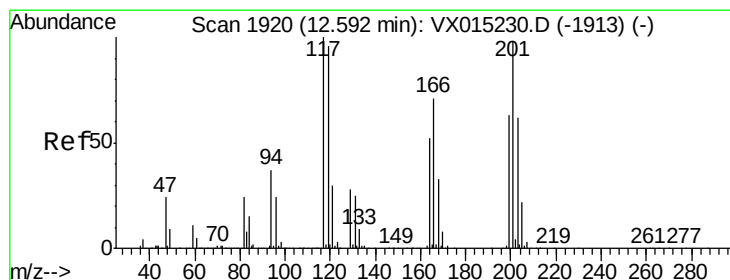
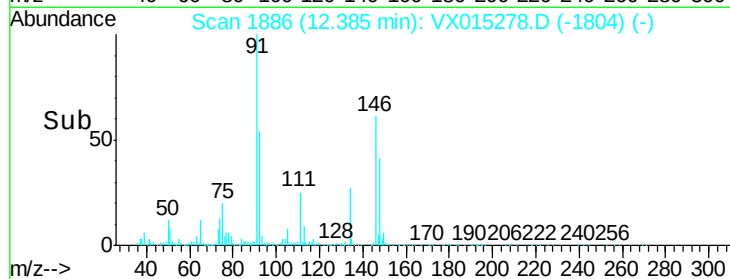
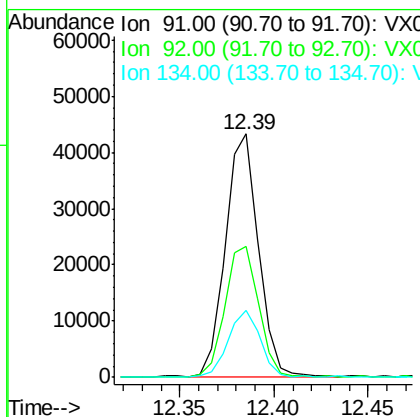
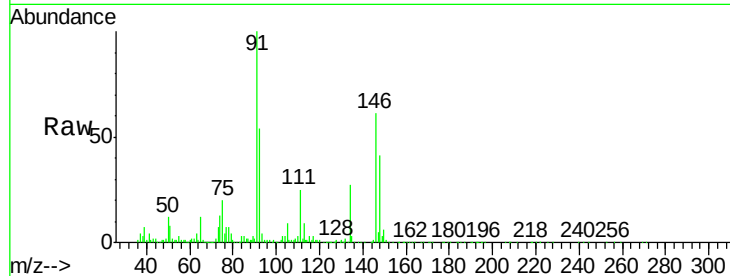
#85
n-Butylbenzene
Concen: 4.227 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	52407		
92	54.8		0.0	109.4
134	27.1		0.0	53.0

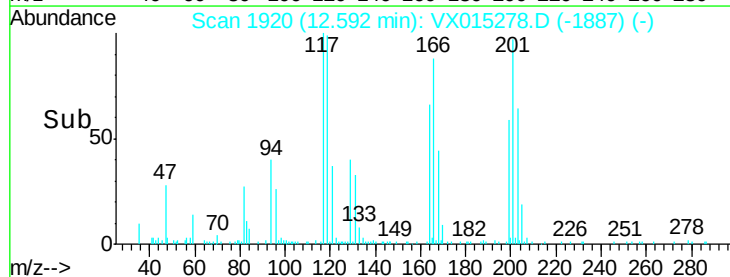
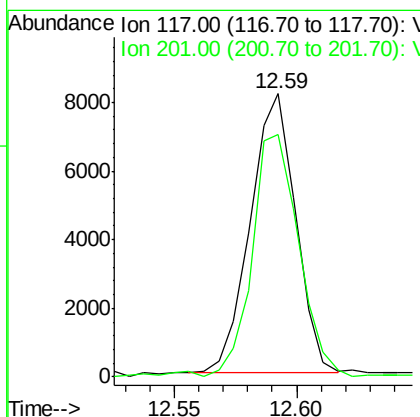
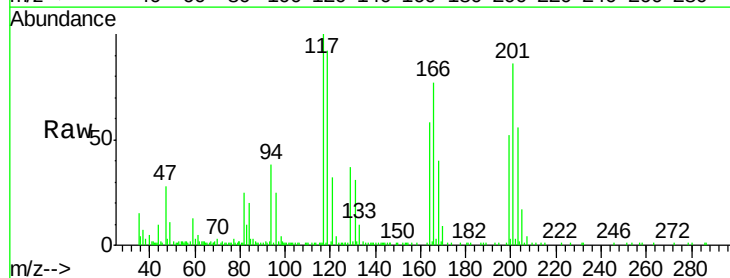
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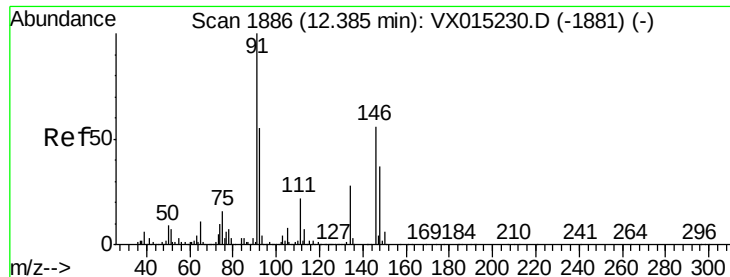
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#86
Hexachloroethane
Concen: 4.244 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	10509		
201	88.6		47.8	143.3





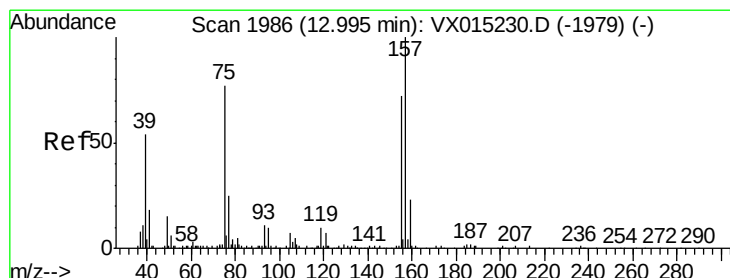
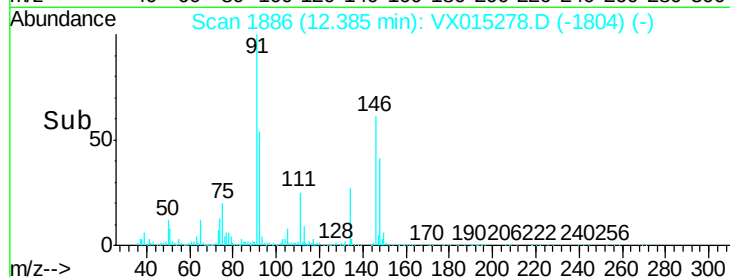
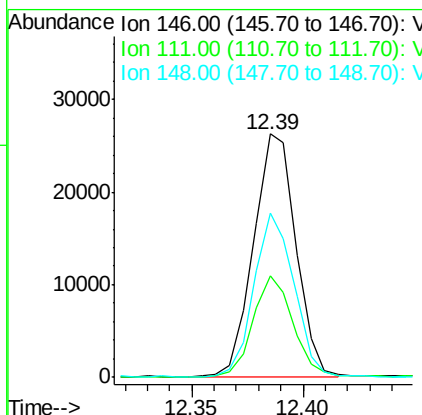
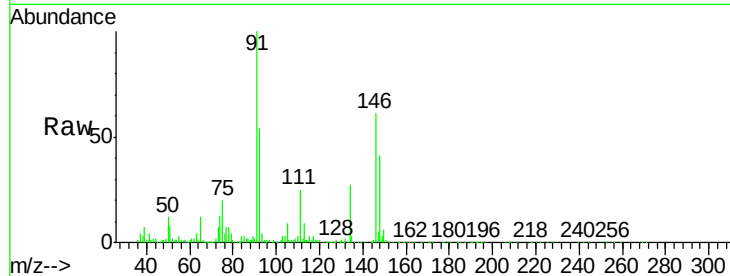
#87
 1,2-Dichlorobenzene
 Concen: 4.745 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX015278.D
 Acq: 13 Mar 2020 23:59

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.4	58.4
148	64.4	32.4	97.0

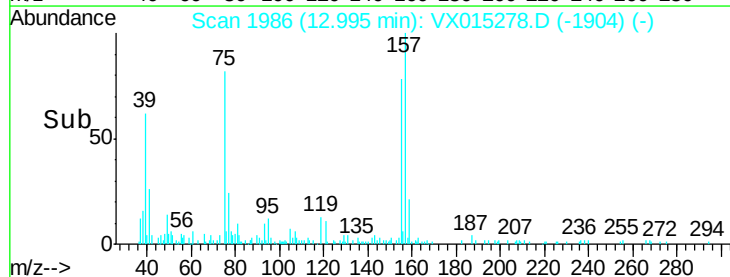
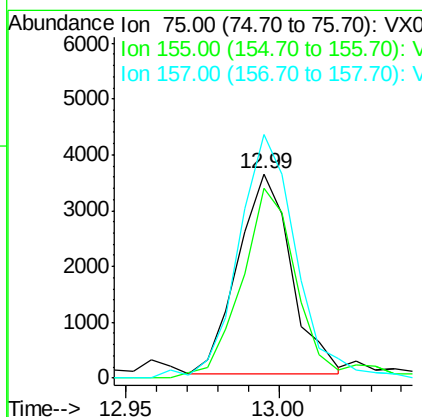
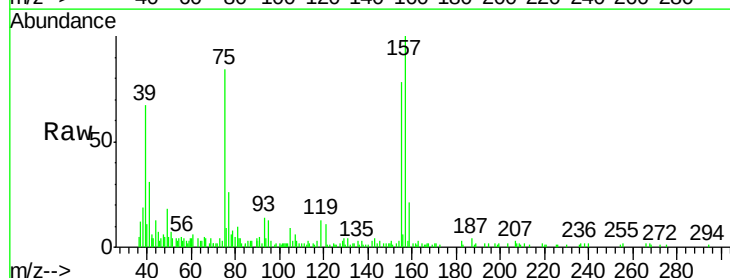
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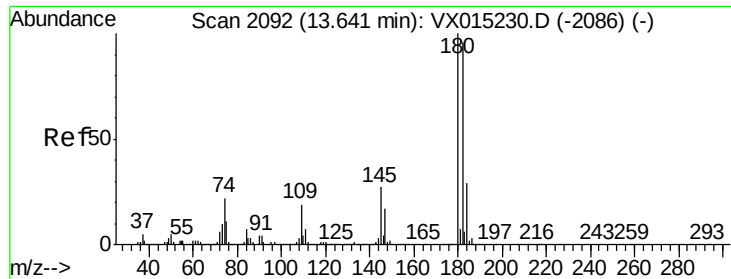
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 4.184 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX015278.D
 Acq: 13 Mar 2020 23:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.3	77.5	116.3
157	131.8	103.0	154.4





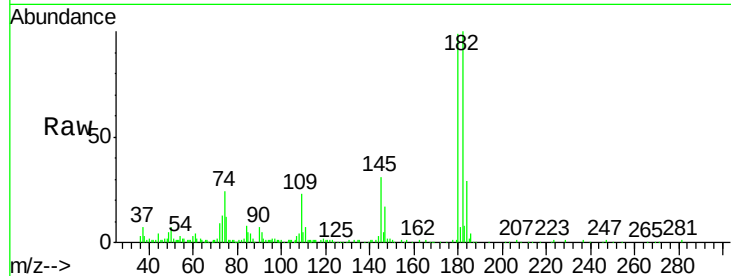
#89
1,2,4-Trichlorobenzene
Concen: 4.537 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

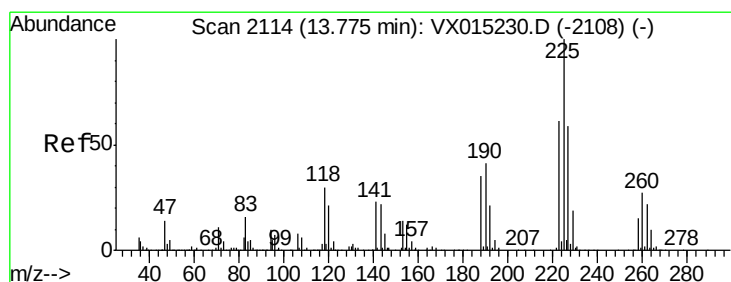
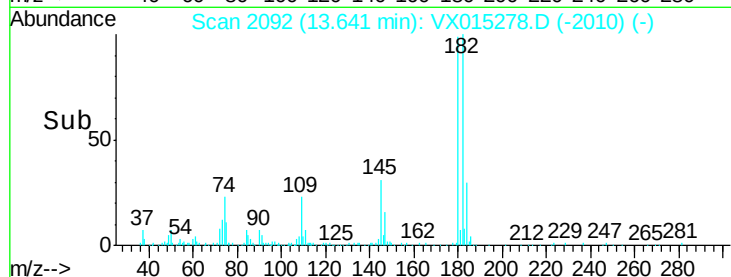
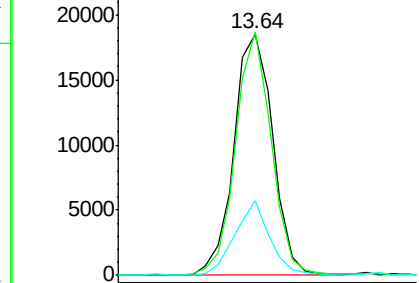
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	76.6	115.0
145	28.4	22.7	34.1

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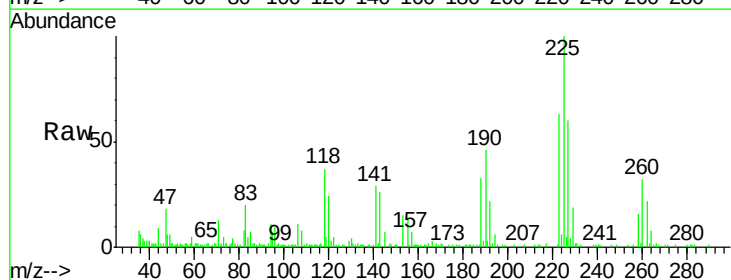


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

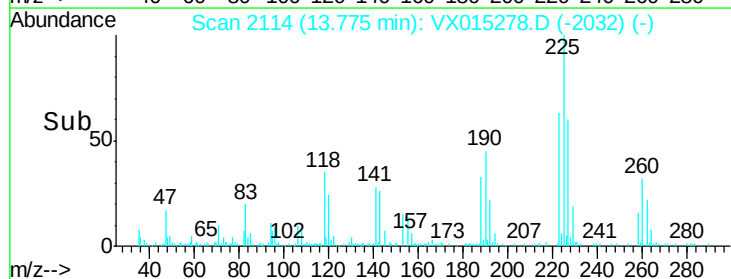
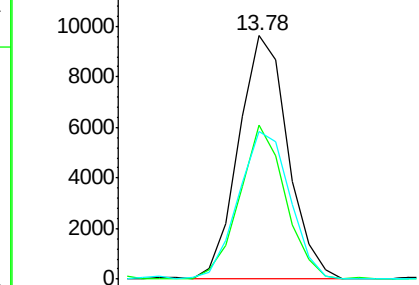


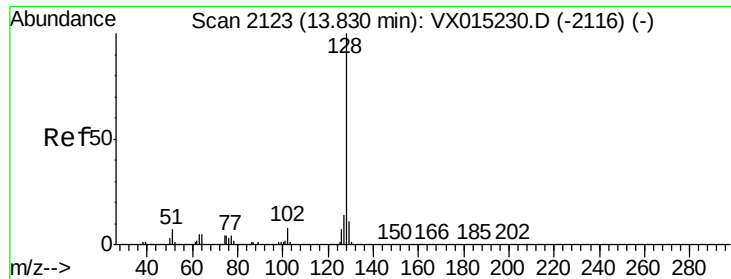
#90
Hexachlorobutadiene
Concen: 4.357 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.8	0.0	125.0
227	63.5	0.0	126.2



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V





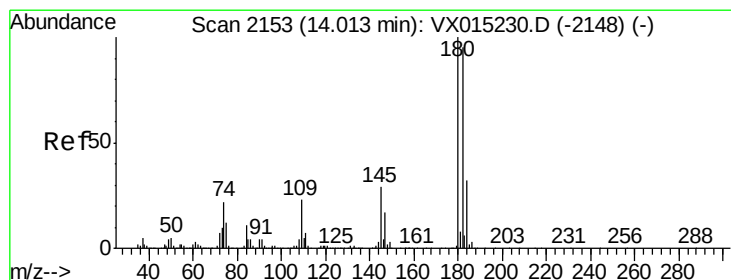
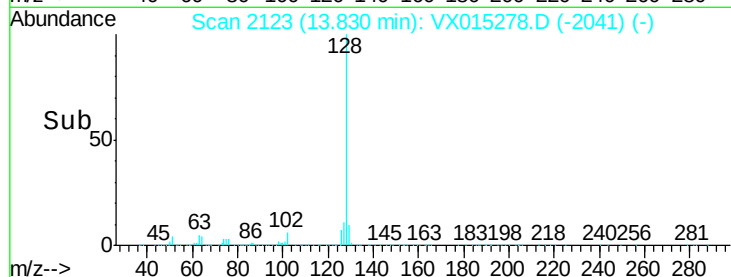
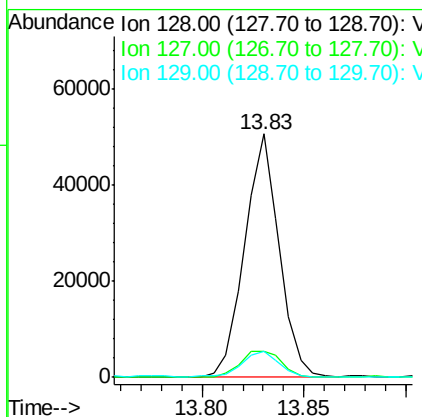
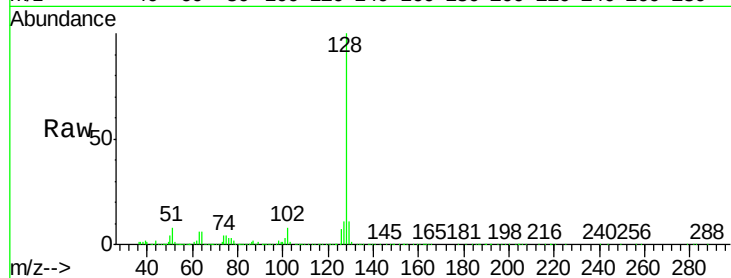
#91
Naphthalene
Concen: 3.995 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	11.9	8.7	13.1

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#92
1,2,3-Trichlorobenzene
Concen: 4.492 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX015278.D
Acq: 13 Mar 2020 23:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	0.0	192.0
145	28.9	0.0	60.0

